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ANNUAL SUMMARY
OF VITAL STATISTICS
KANSAS, 1979

John Carlin, Governor

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

1974

Joseph F. Harkins
Secretary of Health and Environment

Prepared by the Bureau of
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HIGHLIGHTS

Live Births

The Kansas live birth rate increased by 6.5 percent in 1979, from 15.5 live births per thousand population in 1978 to 16.5 in 1979. (p. 27)

Kansas birth rates and fertility rates have followed a pattern similar to national birth and fertility rates during the past twenty years. (Figure 5, p. 26 and Figure 6, p. 28)

Of the 38,916 births in 1979, only 208 (0.5 percent) occurred outside of the hospital setting. (p. 29)

In 1979 out-of-wedlock births to Kansas residents reached 4,593; the highest number recorded in a single year. These out-of-wedlock births represented 11.8 percent, a record high, of all live births in 1979. (Table 4, p. 32 and Figure 8, p. 33)

Birth-Related Mortality

In 1979 the number of abortions reported in Kansas reached a record high of 13,901, a 27.5 percent increase over the 1978 total of 10,904.

There has been a general downward trend in the number of Perinatal Deaths since 1955. The number of deaths decreased from 1,604 in 1955 to 590 in 1979. (Figure 11, p. 41 and Table 5, p. 42)

The Kansas infant death rate reached a record low of 11.0 per thousand live births in 1979. The estimated 1979 infant death rate for the United States was 13.0; 18.2 percent higher than the Kansas rate. (p. 43)

Congenital anomalies was the most common cause of infant death in Kansas in 1979 and accounted for 24.1 percent of all infant deaths. (Table 6, p. 45)

The maternal death rate for Kansas in 1979 was 0.8, representing the lowest rate since the 1976 record low of 0.3. (Figure 13, p. 46)

General Mortality

The Kansas death rate reached a record low of 8.9 per thousand population in 1979. (Figure 14, p. 49)

The average age at death of Kansas residents in 1979 was 70.3 years. The average age of males in 1979 was 67.0; that of females was 74.0. (Table 7, p. 53)

Highlights (cont.)

Heart disease, cancer, cerebrovascular disease and accidents were the four leading causes of death among Kansans in 1979 and accounted for 73.7 percent of all deaths. (Figure 18, p. 59)

Heart disease, the number one cause of death in Kansas claimed 8,106 lives in 1979 and constituted 38.5 percent of the total number of deaths. (Figure 18, p. 59)

The cancer death rate in Kansas was 178.3 in 1979, 2.8 percent lower than the estimated national rate of 183.5. (p. 57)

The Kansas accidental death rate was 48.3 in 1979, 6.8 percent below the 1978 rate of 51.6. (p. 57)

The Kansas sucide rate was 12.5 in 1979, 6.8 percent higher than the estimated 1979 national rate of 11.7. (p. 67)

The Kansas homicide and legal intervention rate was 5.5 per hundred thousand population in 1979; 45.0 percent lower than the estimated national rate of 10.0. (p. 67)

Marriages

The number of marriages and the marriage rate both increased slightly in Kansas in 1979. The 24,774 marriages performed in Kansas represented a 3.3 percent increase over the 23,975 performed in 1978. The marriage rate increased 2.9 percent from 10.2 to 10.5 marriages per 1,000 population. (p. 71, and Figure 20, p. 70)

More wedding ceremonies were performed in June, the traditional wedding month, than any other month in 1979, with August and September being the second and third most popular months. (p. 74)

Divorces and Annulments

The number of divorces and annulments granted in Kansas were relatively unchanged between 1978 and 1979, increasing only 0.6 percent from 12,668 in 1978 to 12,749 in 1979. The divorce rate of 5.4 in 1979 has remained unchanged over the past three years. (p. 77, and Figure 20, p. 70)

INTRODUCTION

KANSAS VITAL STATISTICS
FOR 1979

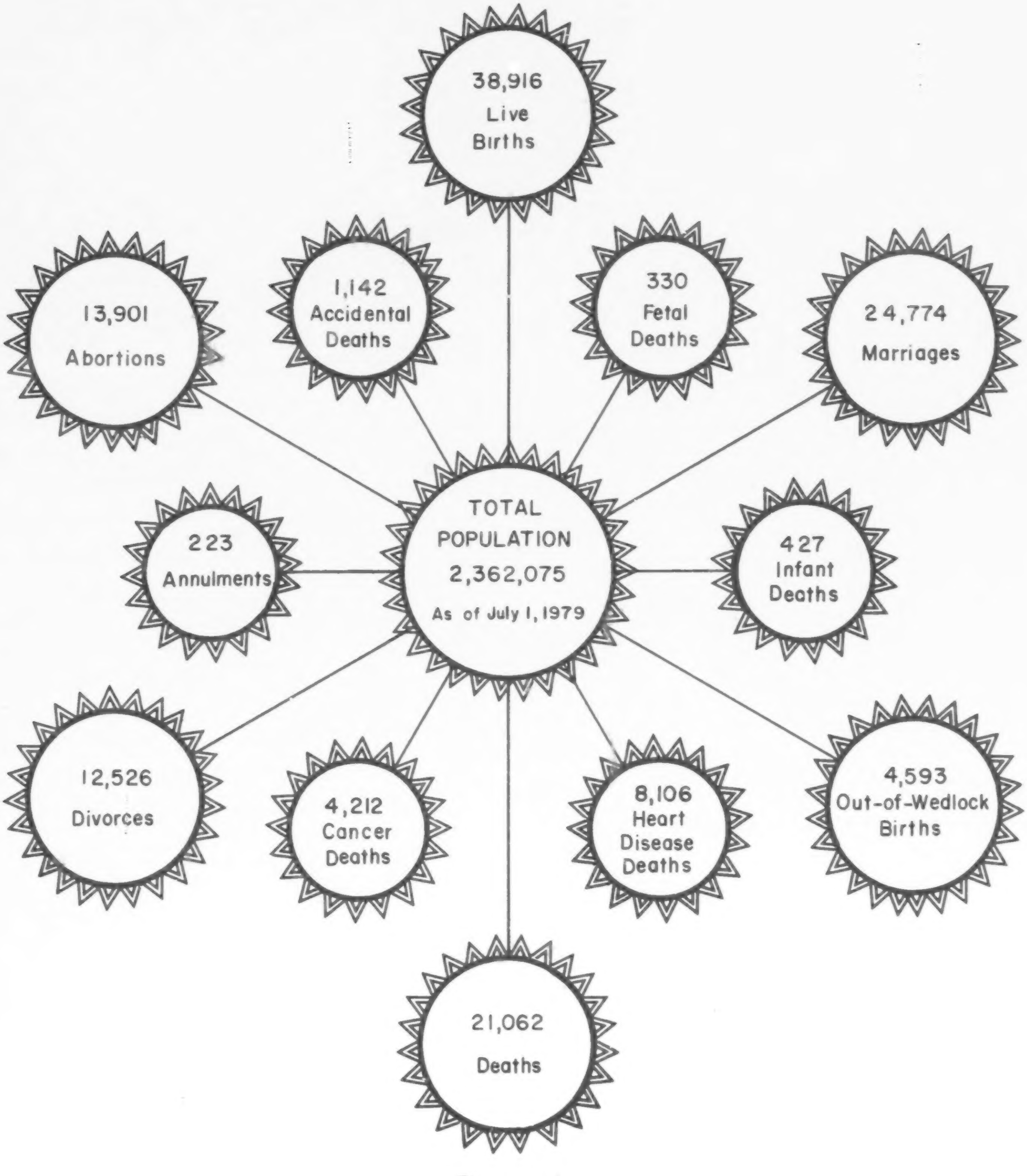

38,916
Live Births
1,142 Accidental Deaths
330 Fetal Deaths
13,901 Abortions
24,774 Marriages
223 Annulments
TOTAL POPULATION 2,362,075 As of July 1, 1979
427 Infant Deaths
12,526 Divorces
4,212 Cancer Deaths
8,106 Heart Disease Deaths
4,593 Out-of-Wedlock Births
21,062 Deaths

Figure 1

Marriages, divorces, annulments and abortions are displayed above as occurrence data and all other vital statistics represent residence data.

INTRODUCTION

The Bureau of Registration and Health Statistics presents the 1979 edition of the Kansas Annual Summary of Vital Statistics. This report is a summary of data compiled from vital and health records for the 1979 calendar year. The contents include information on population, abortion, and such vital events as live births, fetal deaths, deaths, marriages, divorces and annulments.

Registration

The statewide registration of marriage, birth and death records was initially established as a statutory duty of the Kansas State Board of Health (now the Kansas Department of Health and Environment) in 1885. At that time the law, K.S.A. 65-102, specifically provided that, "the state board of health shall supervise the registration of marriages, births and deaths, and also the registration of forms of disease prevalent in the state; and the secretary of said board shall superintend the registration of the vital statistics of the state." With the establishment of the Division of Vital Statistics (now the Bureau of Registration and Health Statistics) in 1911, systematic filing of the birth and death records at the State level was begun. Registration requirements for marriages and divorces were initiated in 1913 and 1951, respectively. Since registration of vital events began sixty-nine years ago, over six million records have been processed, filed and indexed.

Technical Notes

The information presented in this report includes statistics compiled from records received during 1979 and any delayed 1979 events registered during the first four months of 1980. Certificates which were submitted after that time are considered to be negligible for purposes of annual statistical compilations. Therefore, no adjustments have been made for under-registration.

The data contained in this annual summary is primarily residence data and refers to events happening to Kansas residents (classified by county of usual residence) regardless of where the event occurred. Mother's usual residence is utilized with reference to births and fetal deaths (stillbirths). In many instances abortion information refers to all occurrences within the State; however residence data are occasionally referenced. Marriages, divorces and annulments are occurrence data, for residents and nonresidents, in that marriages are recorded by county of marriage and divorces and annulments by county of decree. In many cases annulments have been grouped with divorces for purposes of presentation in this report.

The 1979 State, county and city population estimates utilized throughout the report were prepared by the Bureau of Registration and Health Statistics, Kansas Department of Health and Environment (KDHE) and were computed by using U.S. Bureau of the Census figures as a base and extrapolating by the method of least squares regression. Population figures prior to 1979 were obtained from compilations prepared by the State Board of Agriculture from reports by county appraisers.

The KDHE estimates were used in 1979 because (1) the Agricultural Census has been terminated by the Legislature and additionally (2) students, military personnel, inmates of institutions and also migrant workers are assigned to the last prior legal residence by the Agricultural Census and to their current place of abode by the U.S. Census. Health care needs for military, migrant workers, students, etc. can best be addressed by using their current residence rather than their permanent residence.

The difference in residence assignment for students and military accounts for the largest difference in county populations between 1978 and 1979 as shown in Table 22. (i.e. Geary and Riley counties) Note that Geary County had a birth rate of 43.7 per 1,000 population in 1979 compared to 57.1 in 1978. The magnitude of the difference is primarily due to the fact that prior to 1979 the Agricultural Census was used as the basis for computing rates; hence babies born to military wives were counted in our numerator, but the military population was omitted in the denominator.

In many cases rates and ratios are based upon a small number of events and/or a small population or upon a different population base. Therefore, care should be exercised in the interpretation of these data as they may not be indicative of actual trends.

Comments and suggestions concerning the contents or general format of this report are welcome and should be directed to the Bureau of Registration and Health Statistics. Since this publication is only a summary, many details which are being tabulated for inclusion in the Bureau's permanent statistical files are not presented. More detailed information may be obtained from the Bureau upon request.

DEFINITIONS

DEFINITIONS

The following terms, formulas and symbols are defined for more meaningful interpretation of the data contained in this report.

TERMS

Abortion: (induced termination of pregnancy)	The purposeful interruption of pregnancy with the intention other than to produce a liveborn infant or to remove a dead fetus and which does not result in a live birth.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Cause of Death:	The underlying cause of death, or that condition giving rise to the chain of events leading to death.
Fetal Death:	The complete expulsion or extraction of a product of human conception from its mother, which weighs more than 350 grams and which is, irrespective of the duration of pregnancy, not a live birth. (Intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)
Hebdomadal Death:	The death of a liveborn infant which occurs prior to the seventh day of life.
I.C.D. Code:	The disease-identifying number classified in the *Ninth Revision of the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Adapted (1975)*.
Infant Death:	The death of a liveborn infant which occurs within the first year of life.
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, which, after such expulsion or extraction, shows any evidence of life such as breathing, heart beat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.

Maternal Death:	The death of a mother caused by complications of pregnancy, childbirth or the puerperium.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a liveborn infant which occurs prior to the twenty-eighth day of life.
Net Migration:	The population increase or decrease minus the natural increase.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event actually occurred.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception, at the time of birth or at any time between conception and birth.
Perinatal Period III Death:	The death of a fetus which weighs more than 350 grams or of a liveborn infant during the hebdomadal period (less than seven days after birth).
Population Density:	The average number of inhabitants per square mile.
Premature Birth:	Birth of an infant weighing 2,500 grams (5 lbs. 8 oz.) or less at the time of birth.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Total Births:	All live births plus fetal deaths.

RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}} \times 1{,}000$
Birth Rate:	$\frac{\text{live births}}{\text{total population}} \times 1{,}000$
Death Rate:	$\frac{\text{total deaths}}{\text{total population}} \times 1{,}000$
Disease-Specific Death Rate:	$\frac{\text{disease-specific deaths}}{\text{total population}} \times 100{,}000$

Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	X 1,000
Divorce and Annulment Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	X 1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	X 1,000
Fetal Death Rate:	$\frac{\text{fetal deaths}}{\text{total births}}$	X 1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	X 1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	X 1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	X 1,000
Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	X 10,000
Natural Increase Rate:	$\frac{\text{live births minus total deaths}}{\text{total population}}$	X 1,000
Neonatal Death Rate:	$\frac{\text{neonatal deaths}}{\text{live births}}$	X 1,000
Net Migration Rate:	$\frac{\text{net migration}}{\text{total population}}$	X 1,000
Out-of-Wedlock Birth Ratio:	$\frac{\text{out-of-wedlock births}}{\text{live births}}$	X 100
Perinatal Period III Death Rate:	$\frac{\text{Perinatal Period III deaths}}{\text{total births}}$	X 1,000
Premature Birth Ratio:	$\frac{\text{premature births}}{\text{live births}}$	X 100

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a.	not available
n/a	not applicable
-	zero
0.0	quantity or percent more than zero but less than 0.05.
...	rate or percent not applicable
*	rate, ratio, or percent does not meet statistical standards of precision or reliability (designated whenever the denominator is less than 100).

SUMMARY OF VITAL EVENTS

Table 1
Vital Events and Percent Change
Kansas, 1979, 1978 and 1969

Vital Event	1979	1978	Percent Change 1978 to 1979	1969	Percent Change 1969 to 1979
Total Births........	39,246	36,912	+ 6.3	37,628	+ 4.3
Live Births.........	38,916	36,581	+ 6.4	37,172	+ 4.7
Premature.........	2,476	2,309	+ 7.2	2,633	- 6.0
Out-of-wedlock....	4,593	4,183	+ 9.8	2,587	+77.5
Fetal Deaths........	330	331	- 0.3	456	-27.6
Total Deaths........	21,062	21,566	- 2.3	22,822	- 7.7
Perinatal Deaths..	590	585	+ 0.9	936	-37.0
Hebdomadal Deaths.	260	254	+ 2.4	480	-45.8
Neonatal Deaths...	301	302	- 0.3	524	-42.6
Infant Deaths.....	427	440	- 3.0	684	-37.6
Maternal Deaths...	3	8	*	5	*
Marriages...........	24,774	23,975	+ 3.3	22,304	+11.1
Divorces............	12,526	12,413	+ 0.9	7,695	+62.8
Annulments..........	223	255	-12.5	261	-14.6

Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SUMMARY OF VITAL EVENTS

Registration of Kansas vital events (live births, total deaths, fetal deaths, marriages, divorces and annulments) increased slightly from 95,121 in 1978 to 97,831 in 1979, an increase of 2.8 percent. There was an increase from 1978 to 1979 in the number of live births, marriages and divorces, while fetal deaths, total deaths and annulments showed decreases. Table 1 compares these vital events of 1979 with those of 1978 and 1969.

The largest percentage changes between 1978 and 1979 were a 12.5 percent decline in the number of annulments and a 9.8 percent increase in the number of out-of-wedlock births. Between 1969 and 1979, the number of out-of-wedlock births has increased 77.5 percent and the number of divorces has increased 62.8 percent. Also noteworthy are decreases of around 40 percent in the various birth-related mortality categories over the ten year period.

Another method of examining trends in vital events is the comparison of rates from year to year. Table 2 examines these rates (rate computations are described on pages 10 and 11) from 1969 to 1979 and the rates are graphically presented in Figure 2 .

The live birth rate increased by 6.0 percent in 1979, from 15.5 in 1978 to 16.5 in 1979. Upon reaching 10.0 in 1969, the total death rate gradually decreased to a record low of 8.9 in 1979. The marriage rate was 10.5 per thousand population in 1979 and has remained between 10.0 and 10.7 since 1970. The divorce and annulment rate in 1979 remained at 5.4 for the third consecutive year.

Infant, hebdomadal and neonatal death rates decreased considerably after 1969. Fetal death rates dropped from 9.0 in 1978 to 8.4 in 1979.

The remainder of this report elaborates on each of these vital events, summarizing the data from 1979 vital and health records, depicting trends and comparing Kansas events with those for the United States where appropriate.

Table 2
Vital Events by Number, Rate and Ratio*
Kansas, 1969-1979

Vital Event	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Live Births											
Number....................	37,172	38,215	36,006	33,176	31,972	32,712	33,707	35,278	36,827	36,581	38,916
Rate......................	16.3	17.0	16.0	14.6	13.9	14.2	14.6	15.2	15.7	15.5	16.5
Out-of-Wedlock Births											
Number....................	2,587	3,034	2,927	2,829	2,742	2,867	3,205	3,491	3,873	4,183	4,593
Ratio.....................	7.0	8.0	8.1	8.5	8.6	8.8	9.5	9.9	10.5	11.4	11.8
Fetal Deaths											
Number....................	456	423	380	375	355	379	341	364	308	331	330
Rate......................	12.1	10.9	10.4	11.2	11.0	11.5	10.0	10.2	8.3	9.0	8.4
Hebdomadal Deaths											
Number....................	480	477	506	410	342	354	304	310	335	254	260
Rate......................	12.9	12.5	14.1	12.4	10.7	10.8	9.0	8.8	9.1	6.9	6.7
Perinatal Period III Deaths											
Number....................	936	900	886	785	697	733	645	674	643	585	590
Rate......................	24.9	23.3	24.4	23.4	21.6	22.2	18.9	18.9	17.3	15.8	15.0
Neonatal Deaths											
Number....................	524	524	553	441	374	393	341	365	373	302	301
Rate......................	14.1	13.7	15.4	13.3	11.7	12.0	10.1	10.3	10.1	8.3	7.7
Infant Deaths											
Number....................	684	675	697	570	496	514	468	492	480	440	427
Rate......................	18.4	17.7	19.4	17.2	15.5	15.7	13.9	13.9	13.0	12.0	11.0
Maternal Deaths											
Number....................	5	5	7	2	5	6	6	1	4	8	3
Rate......................	1.3	1.3	1.9	0.6	1.6	1.8	1.8	0.3	1.1	2.2	0.8
Total Deaths											
Number....................	22,822	21,851	22,182	22,335	22,725	22,156	21,726	21,780	21,271	21,566	21,062
Rate......................	10.0	9.7	9.9	9.8	9.9	9.6	9.4	9.4	9.1	9.1	8.9
Marriages											
Number....................	22,304	22,421	22,528	23,879	24,592	24,491	23,767	23,559	23,673	23,975	24,774
Rate......................	9.8	10.0	10.0	10.5	10.7	10.7	10.3	10.1	10.1	10.2	10.5
Divorces and Annulments											
Number....................	7,956	8,785	9,461	9,925	10,472	11,484	12,561	12,833	12,629	12,668	12,749
Rate......................	3.5	3.9	4.2	4.5	4.6	5.0	5.4	5.5	5.4	5.4	5.4

*Rate and Ratio computations are explained on pages 10 and 11.
Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SELECTED VITAL EVENT RATES
KANSAS, 1969 - 1979

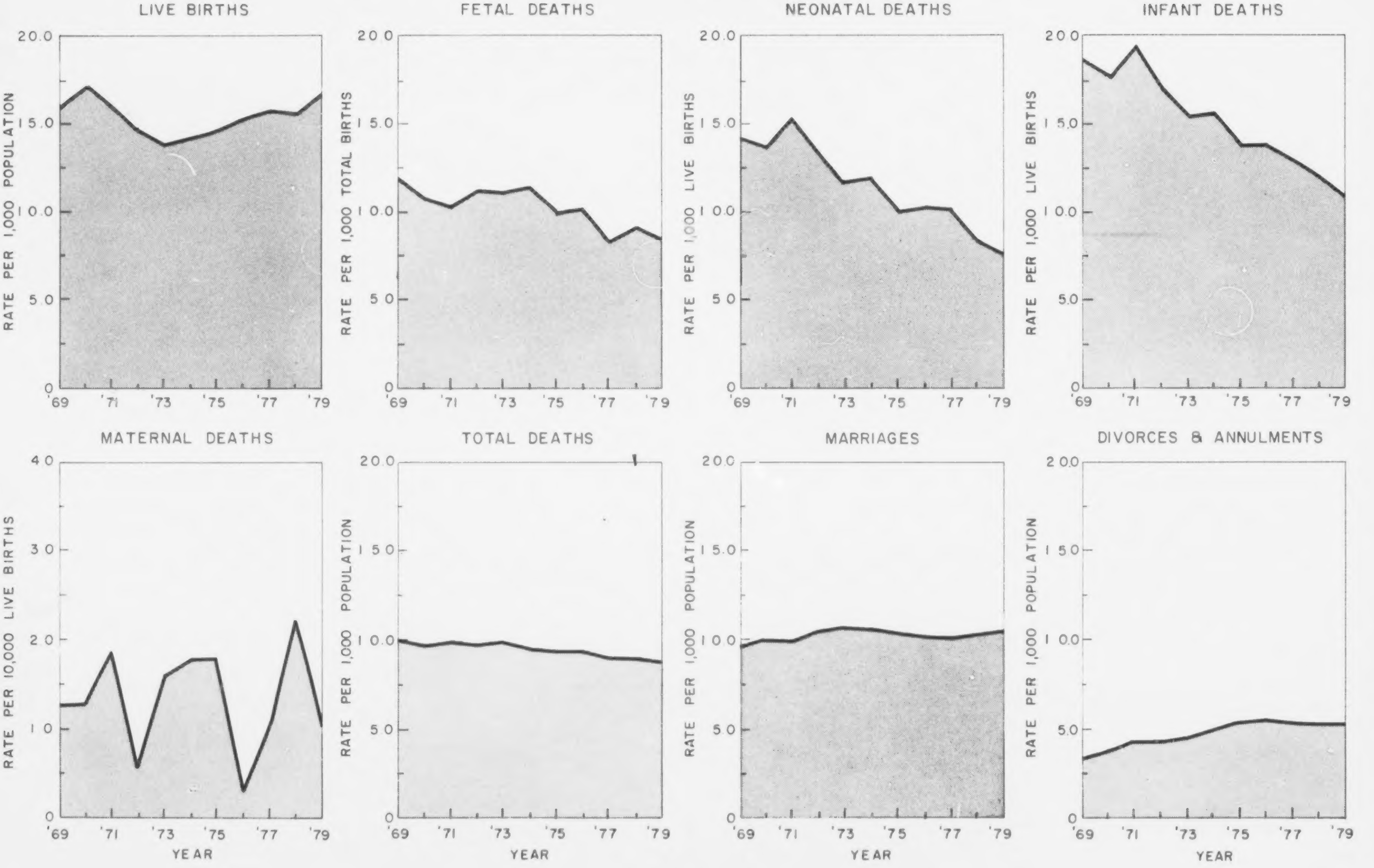
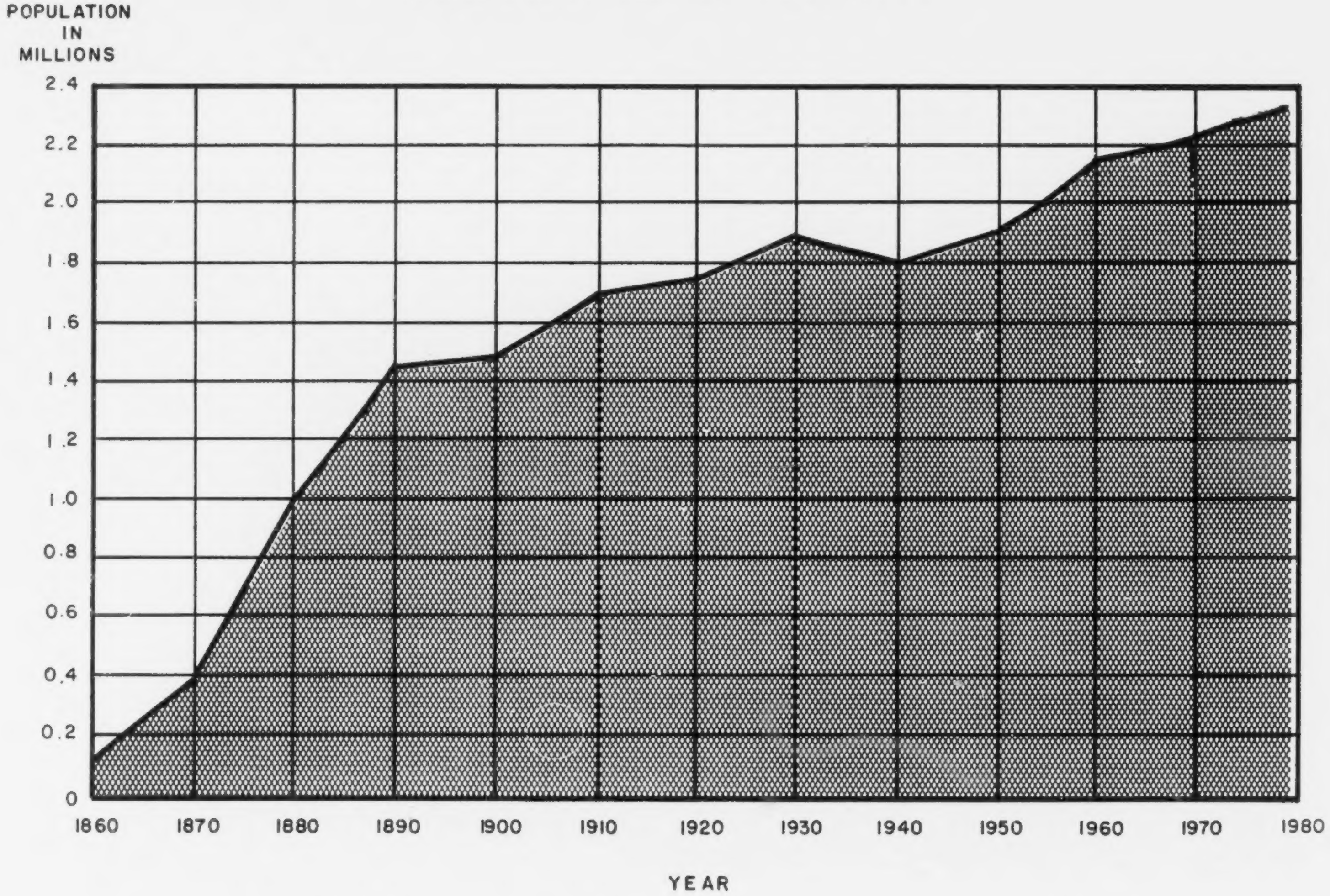


Figure 2

POPULATION

POPULATION GROWTH IN KANSAS
SELECTED YEARS, 1860-1979



Sources of Population Counts: Bureau of Registration and Health Statistics (1979)
Kansas Department of Health and Environment
United States Bureau of the Census (1970)
Kansas Board of Agriculture / County Appraisers (all other years)

Figure 3

POPULATION

On July 1, 1979 the population of Kansas was 2,362,075. This figure was estimated by the Bureau of Registration and Health Statistics and is an increase of 2,813 or 0.1 percent, over that reported for January 1, 1978 to the State Board of Agriculture by county appraisers.

As depicted in Figure 3, Kansas experienced its greatest population growth during the second half of the nineteenth century. During the thirty-year period from 1860 to 1890 population increased thirteen-fold. The next thirty years demonstrated slower growth, increasing by less than two-fold from 1890 to 1920. The reduction in the birth rate and the increase in out-migration during the Depression Years of the 1930's resulted in a decrease in total population of almost four percent. Population began increasing again with the onset of World War II. The economic prosperity of the Fifties and the ensuing "Baby Boom" were reflected in a population increase of almost 12 percent from 1950 to 1960. Slowed growth was again exhibited during the Sixties when population increased 5.6 percent during that decade. Over the past nine years the population has increased only 5.0 percent from a total of 2,249,071 in 1970 to the present total of 2,362,075 in 1979. Population estimates, as well as annual increases or decreases for the past thirty years are shown in Table 3. (County population totals, 1975 to 1979, are given in Appendix Table 22.)

Natural Increase and Net Migration

The combined factors of the natural increase (live births minus total deaths) and net migration (actual population increase or decrease minus the natural increase) determine population growth. The annual natural increase and net migration from 1950 to 1979 are exhibited in Table 3. The highest natural increase during the period was 34,319 in 1954, which represents a natural increase rate of 17.2 per thousand population. After a general downward trend in the years that followed, the natural increase again began rising in 1974 and the 1979 natural increase was 17,854. The natural increase rate increased 18.8 percent from 6.4 per thousand population in 1978 to 7.6 in 1979. Net migration, on the other hand, has been less predictable, with sudden large fluctuations in out-migration. Considerable out-migration occurred from 1955 to 1964. The net migration for 1979 was not available at the time of publication.

Table 3
Population, Natural Increase and Net Migration
Kansas, 1950-1979

Year	Population*	Population Increase or Decrease During Year	Natural Increase	Net Migration
1979. . . .	2,362,075	n.a.	17,854	n.a.
1978. . . .	2,359,262	2,813	15,015	-12,202
1977. . . .	2,341,261	18,001	15,556	2,445
1976. . . .	2,327,471	13,790	13,498	292
1975. . . .	2,314,479	12,992	11,981	1,011
1974. . . .	2,299,220	15,259	10,556	4,703
1973. . . .	2,301,623	- 2,403	9,247	-11,650
1972. . . .	2,277,905	23,718	10,841	12,877
1971. . . .	2,249,248	28,657	13,824	14,833
1970. . . .	2,249,071	177	16,364	-16,187
1969. . . .	2,287,302	-38,231	14,350	-52,581
1968. . . .	2,265,170	22,132	13,110	9,022
1967. . . .	2,236,750	28,420	13,196	15,224
1966. . . .	2,220,362	16,388	14,192	2,196
1965. . . .	2,197,815	22,547	17,516	5,031
1964. . . .	2,180,533	17,282	21,649	- 4,367
1963. . . .	2,172,296	8,237	23,804	-15,567
1962. . . .	2,165,009	7,287	27,001	-19,714
1961. . . .	2,146,154	18,855	28,940	-10,085
1960. . . .	2,130,579	15,575	29,621	-14,046
1959. . . .	2,115,441	15,138	31,891	-16,753
1958. . . .	2,100,665	14,776	31,401	-16,625
1957. . . .	2,081,654	19,011	32,706	-13,695
1956. . . .	2,077,711	3,943	33,408	-29,465
1955. . . .	2,050,478	27,233	33,878	-6,645
1954. . . .	1,999,457	51,021	34,319	16,702
1953. . . .	1,965,112	34,345	32,598	1,747
1952. . . .	1,980,073	-14,961	30,389	-45,350
1951. . . .	1,942,060	38,013	28,262	9,751
1950. . . .	1,904,584	37,746	24,906	-12,840

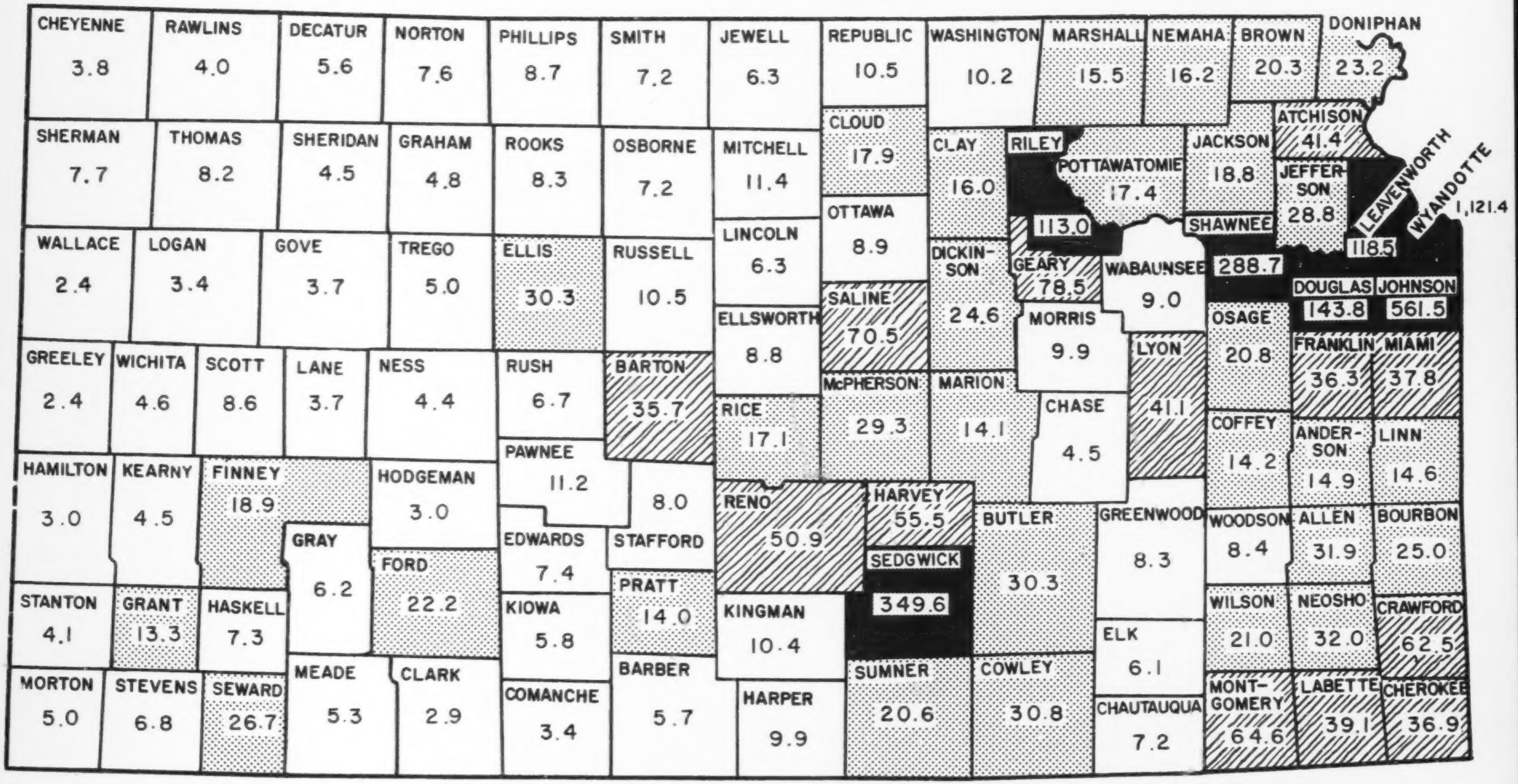
*Sources: Bureau of Registration and Health Statistics (1979)
U.S. Bureau of the Census (1970)
Kansas Board of Agriculture/County Appraisers (all other years)

Population Density

The total land area of the State of Kansas is 81,795 square miles. The population density of the State, or the average number of inhabitants per square mile in 1979, was 28.9 as compared with 28.8 in 1978 and 28.6 in 1977.

As illustrated in Figure 4, the population density varied considerably among counties. In 1979, 18 of Kansas' 105 counties had population densities of less than 5.0. These counties were predominantly in the Western portion of the State.

POPULATION DENSITY BY COUNTY
KANSAS 1979


CHEYENNE 3.8
RAWLINS 4.0
DECATUR 5.6
NORTON 7.6
PHILLIPS 8.7
SMITH 7.2
JEWELL 6.3
REPUBLIC 10.5
WASHINGTON 10.2
MARSHALL 15.5
NEMAHA 16.2
BROWN 20.3
DONIPHAN 23.2
SHERMAN 7.7
THOMAS 8.2
SHERIDAN 4.5
GRAHAM 4.8
ROOKS 8.3
OSBORNE 7.2
MITCHELL 11.4
CLOUD 17.9
CLAY 16.0
RILEY 113.0
POTTAWATOMIE 17.4
JACKSON 18.8
ATCHISON 41.4
JEFFERSON 28.8
LEAVENWORTH 118.5
WYANDOTTE 1,121.4
WALLACE 2.4
LOGAN 3.4
GOVE 3.7
TREGO 5.0
ELLIS 30.3
RUSSELL 10.5
LINCOLN 6.3
OTTAWA 8.9
DICKINSON 24.6
GEARY 78.5
WABAUNSEE 9.0
SHAWNEE 288.7
DOUGLAS 143.8
JOHNSON 561.5
ELLSWORTH 8.8
SALINE 70.5
MORRIS 9.9
OSAGE 20.8
FRANKLIN 36.3
MIAMI 37.8
GREELEY 2.4
WICHITA 4.6
SCOTT 8.6
LANE 3.7
NESS 4.4
RUSH 6.7
BARTON 35.7
RICE 17.1
McPHERSON 29.3
MARION 14.1
CHASE 4.5
LYON 41.1
COFFEY 14.2
ANDERSON 14.9
LINN 14.6
HAMILTON 3.0
KEARNY 4.5
FINNEY 18.9
HODGEMAN 3.0
PAWNEE 11.2
STAFFORD 8.0
RENO 50.9
HARVEY 55.5
BUTLER 30.3
GREENWOOD 8.3
WOODSON 8.4
ALLEN 31.9
BOURBON 25.0
GRAY 6.2
FORD 22.2
EDWARDS 7.4
PRATT 14.0
SEDGWICK 349.6
STANTON 4.1
GRANT 13.3
HASKELL 7.3
KIOWA 5.8
KINGMAN 10.4
ELK 6.1
WILSON 21.0
NEOSHO 32.0
CRAWFORD 62.5
MORTON 5.0
STEVENS 6.8
SEWARD 26.7
MEADE 5.3
CLARK 2.9
COMANCHE 3.4
BARBER 5.7
HARPER 9.9
SUMNER 20.6
COWLEY 30.8
CHAUTAUQUA 7.2
MONTGOMERY 64.6
LABETTE 39.1
CHEROKEE 36.9

STATE POPULATION DENSITY: 28.9

Sources: Land area for each county obtained from the 1970 U. S. Census of Population. Population figures for 1979 were from the Bureau of Registration and Health Statistics.

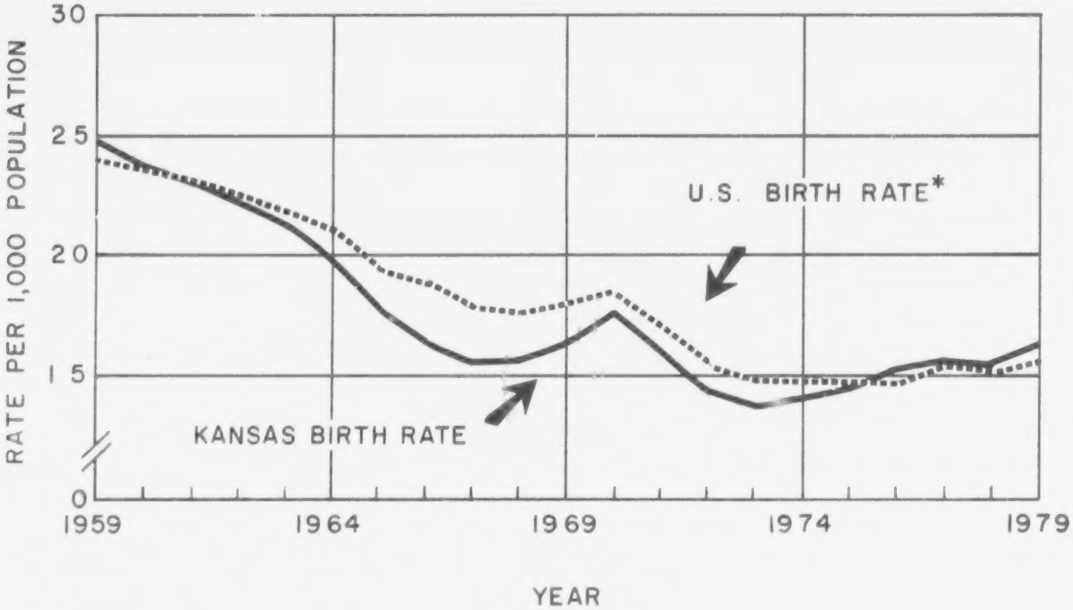
INHABITANTS PER SQUARE MILE

□	▨	▨	■
2.0 – 13.0	13.0 – 35.0	35.0 – 100.0	100.0 – 1,121.4

Figure 4

LIVE BIRTHS

BIRTH RATES
KANSAS AND THE UNITED STATES, 1959-1979



*1979 United States birth rate represents provisional data from the National Center for Health Statistics.
Residence data.

Figure 5

LIVE BIRTHS

During 1979, 38,916 live births were recorded for mothers with Kansas residency, representing a birth rate of 16.5 per 1,000 population. These figures reflect both a numerical increase of 6.4 percent above the 36,581 live births in 1978 and a rate increase of 6.5 percent above the 1978 rate of 15.5.

Trends

Kansas birth rates and fertility rates have followed a pattern similar to national birth and fertility rates during the past twenty years. Illustrated in Figures 5 and 6 are comparisons of Kansas birth rates and fertility rates with those of the United States.

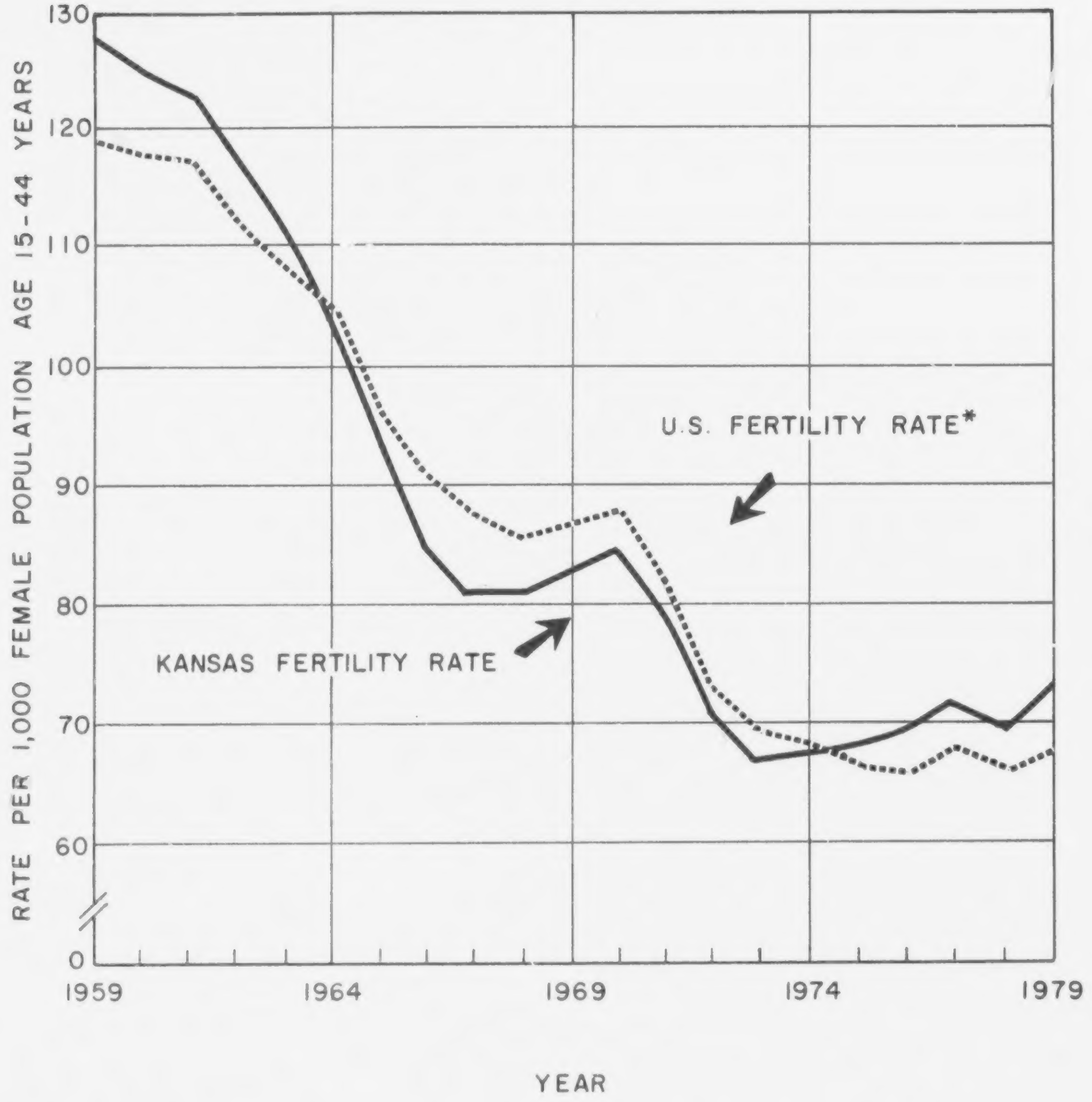
The Kansas birth rate was 24.8 in 1959, 3.3 percent above the national rate of 24.0. Following 1959, the Kansas birth rate dropped for eight consecutive years. After reaching a low of 15.6 in 1967, the Kansas birth rate turned upward slightly in the late 1960's and 1970. After another short-term decline of three years, the Kansas birth rate reached a new low of 13.9 in 1973. In 1978, Kansas experienced a decreased birth rate for the first time in five years, followed by an increase in 1979. (The number of births and birth rates from 1975-1979 for each Kansas county are given in Appendix Table 23.)

The Kansas fertility rate was at a high of 128.7 in 1959, 8.3 percent above the national rate of 118.8. Following 1959, the fertility rate began to drop and did so for eight consecutive years. After a short-term increase in 1969 and 1970, the fertility rate declined for three years. Kansas, in 1978, experienced a decreased fertility rate for the first time in five years, followed by an increase in 1979.

Sex of Infant, Race and Plurality

Since birth information was first recorded in Kansas in 1915, the percent distribution of live births has remained relatively constant for males and females. In 1915, the percentage breakdown for male and female live births was 51.6 percent and 48.4 percent, respectively. As outlined below, the distribution in 1979 was nearly identical, with 51.5 percent of the live births recorded as males and 48.5 percent as females.

FERTILITY RATES
KANSAS AND THE UNITED STATES, 1959-1979



*1979 United States fertility rate represents provisional data from the National Center for Health Statistics.

Residence data

Figure 6

Live Births: Distribution by Race of Mother by Sex of Infant

Race of Mother	Live Births	Sex of Infant Male	Female
Total..........	38,916	20,045	18,871
White..........	35,315	18,234	17,081
Black..........	2,918	1,452	1,466
Other Races....	674	352	322
N.S............	9	7	2

White mothers gave birth to 90.8 percent of the liveborn infants in Kansas in 1979. Another 7.5 percent of the mothers were Black and other races represented 1.7 percent of the live births.

In 1979, a total of 794 live births, only 2.0 percent, represented multiple births, while a total of 38,122 single births were recorded. Of the 794 multiple births, 764 were from twin births and 30 were of triplet births.

Birth Order

First births accounted for 41.6 percent of all live births in 1979. Second-born infants represented 33.3 percent and third births, 16.0 percent. Thirty years ago, in 1949, 33.7 percent of the 43,773 live births were first births. Thirty-two (31.9) percent were second-born infants and 17.0 percent were third births. The number and percent of live births by order of birth is presented below for 1979:

Live Births: Number and Percent by Birth Order

Birth Order	Number	Percent
Total..........	38,916	100.0
First	16,197	41.6
Second	12,943	33.3
Third..........	6,220	16.0
Fourth	2,178	5.6
Fifth..........	759	1.9
Sixth..........	314	0.8
Seventh	148	0.4
Eighth.........	74	0.2
Ninth..........	35	0.1
Tenth and Over.	48	0.1

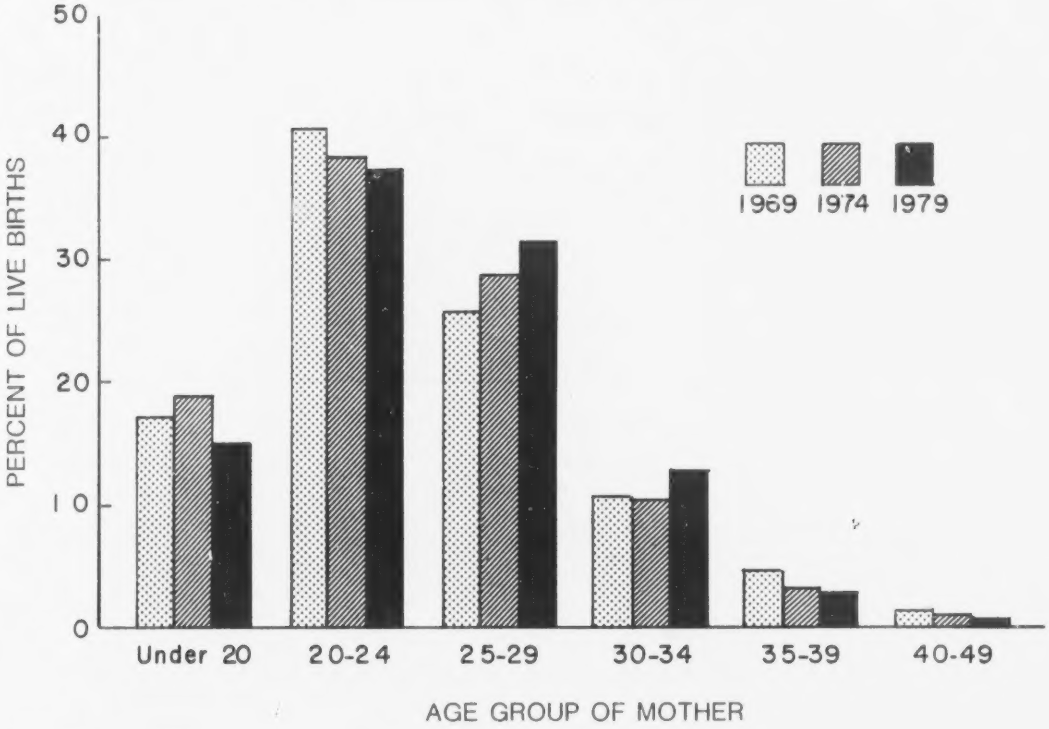
Institution of Birth and Attendant

The number of deliveries which are performed in hospitals has increased dramatically through the years. For example, in 1939, 48.2 percent of all live births occurred in a hospital. Forty years later, in 1979, only 208 of the 38,916 live births occurred outside of the hospital setting, a mere 0.5 percent.

Another factor which may affect both maternal and infant health is whether or not the attendant is present at the time of birth. Unlike the institution of birth this factor has remained consistent for forty years. In 1939, 99.8 percent of the births were physicians' deliveries. By 1979, the situation was virtually unchanged--99.6 percent of the births were attended by a physician.

Parental Age

The average maternal age in 1979 was 24.6 years, while the average paternal age was 27.3 years. Figure 7 shows the changing pattern in the distribution of births by maternal age for 1969, 1974 and 1979.



LIVE BIRTHS: PERCENT DISTRIBUTION
BY AGE GROUP OF MOTHER
KANSAS, 1969, 1974, AND 1979

Residence data.

Figure 7

The ages from 20 to 24 were the most popular child-bearing ages in 1969, 1974 and 1979. During the same time frame, however, there was a gradual increase in the proportion of child-bearing women between 25 and 29. There was also a downward trend in the proportion of child-bearing women in the two older age groups between 1969 and 1979. (Live births by county of maternal residence and age group are shown in Appendix Table 24.)

Birth Weight and Premature Births

Birth weights are classified as low, normal or heavy according to the gram limits outlined in Table 4. Ninety-two (91.7) percent of the live births in 1979 were of normal weight, between 2,501 and 4,500 grams. Babies weighing over 4,500 grams constituted only 1.8 percent of the live births.

Low birth weight babies of 2,500 grams or less is the weight category generally considered the most critical in regard to infant survival chances. This weight category comprises those deliveries herein referred to as premature births. The 2,476 premature births in 1979 accounted for 6.4 percent of all live births. The number of premature births for mothers in each age group, percent distribution and age-specific premature birth ratios (premature births as a percent of all live births within an age group) are shown in Table 4.

The age of the mother is an important factor influencing the birth weight of the baby. In 1979, mothers 20 to 24 years of age accounted for the largest percentage (39.5) of the premature births; followed by 25.7 percent accounted for by mothers 25-29 years of age. A somewhat more reliable indicator of the tendency for child-bearing women in a particular age group to have premature births is the age-specific premature birth ratio. The largest age-specific premature birth ratio, in 1979, was 10.9 percent of the births for mothers 40-44 years of age followed by 8.3 percent of the births for mothers 15-19 years of age.

Out-of-Wedlock Births

In 1979, the number of out-of-wedlock births to Kansas residents reached a record high of 4,593, reflecting an 9.8 percent increase over the 1978 total of 4,183. These out-of-wedlock births represented 11.8 percent of all live births in 1979.

Although the out-of-wedlock birth ratio in Kansas was below the national ratio from 1959 to 1979 (Figure 8), the increasing trend in the out-of-wedlock birth ratio in Kansas was similar to the upward trend throughout the United States during the twenty-year period.

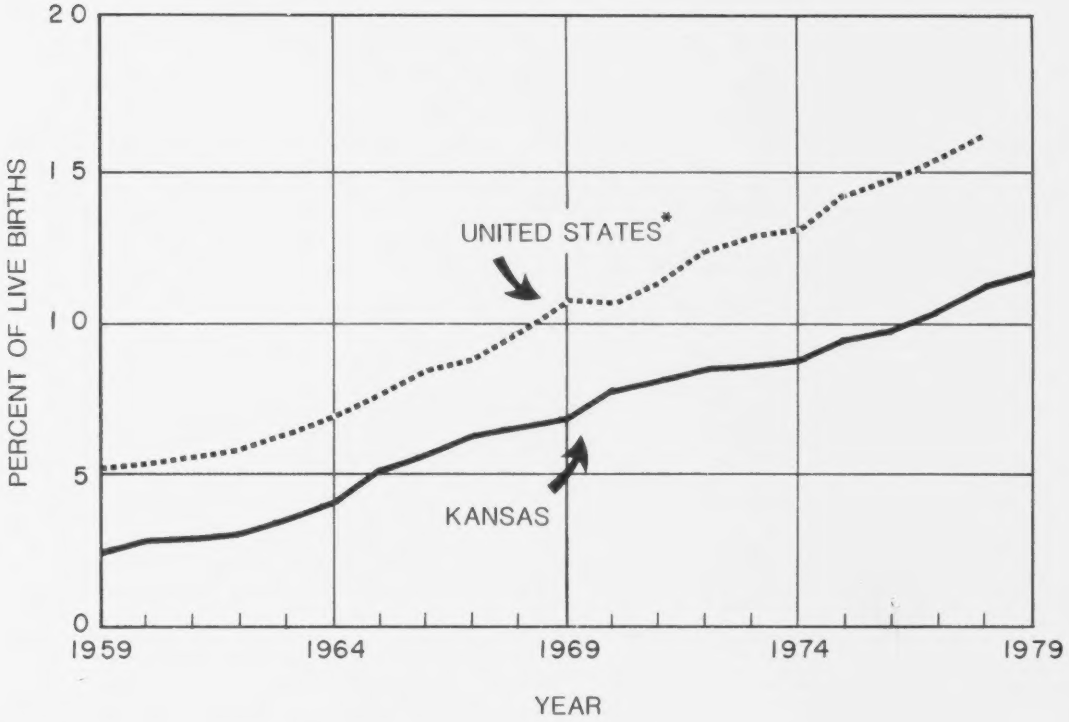
The number of out-of-wedlock births to mothers in each age group in 1979, percent distribution and age-specific out-of-wedlock birth ratios, or the out-of-wedlock births as a percent of all live births within an age group, are shown in Table 4. (Out-of-wedlock births by maternal county of residence by maternal age group are given in Appendix Table 25.)

Table 4
Live Births by Age Group of Mother, by Selected Characteristics
Kansas, 1979

Age Group of Mother	Total	Selected Characteristics of Live Births									
		Birth Weight (Grams)				Premature Births			Out-of-Wedlock Births		
		Under 2,501 (Low)	2,501 - 4,500 (Normal)	Over 4,500 (Heavy)	Not Stated	Number	Percent	Age-Specific Ratio	Number	Percent	Age-Specific Ratio
All Ages.......	38,916	2,476	35,703	718	19	2,476	100.0	...	4,593	100.0	...
10-14..........	67	9	57	1	-	9	0.4	*	61	1.3	*
15-19..........	5,800	481	5,264	53	2	481	19.4	8.3	2,085	45.4	35.9
20-24..........	14,541	978	13,353	203	7	978	39.5	6.7	1,643	35.8	11.3
25-29..........	12,169	636	11,269	260	4	636	25.7	5.2	533	11.6	4.4
30-34..........	5,003	263	4,595	142	3	263	10.6	5.3	191	4.2	3.8
35-39..........	1,132	87	997	46	2	87	3.5	7.7	69	1.5	6.1
40-44..........	193	21	158	13	1	21	0.8	10.9	11	0.2	5.7
45-49..........	10	1	9	-	-	1	0.0	*	-	-	-
Not Stated.....	1	-	1	-	-	-	-	-	-	-	-

Residence data.

OUT-OF-WEDLOCK BIRTH RATIOS
KANSAS AND THE UNITED STATES, 1959 - 1979



*1979 data from the National Center for Health Statistics not available at the time of publication.

Residence data.

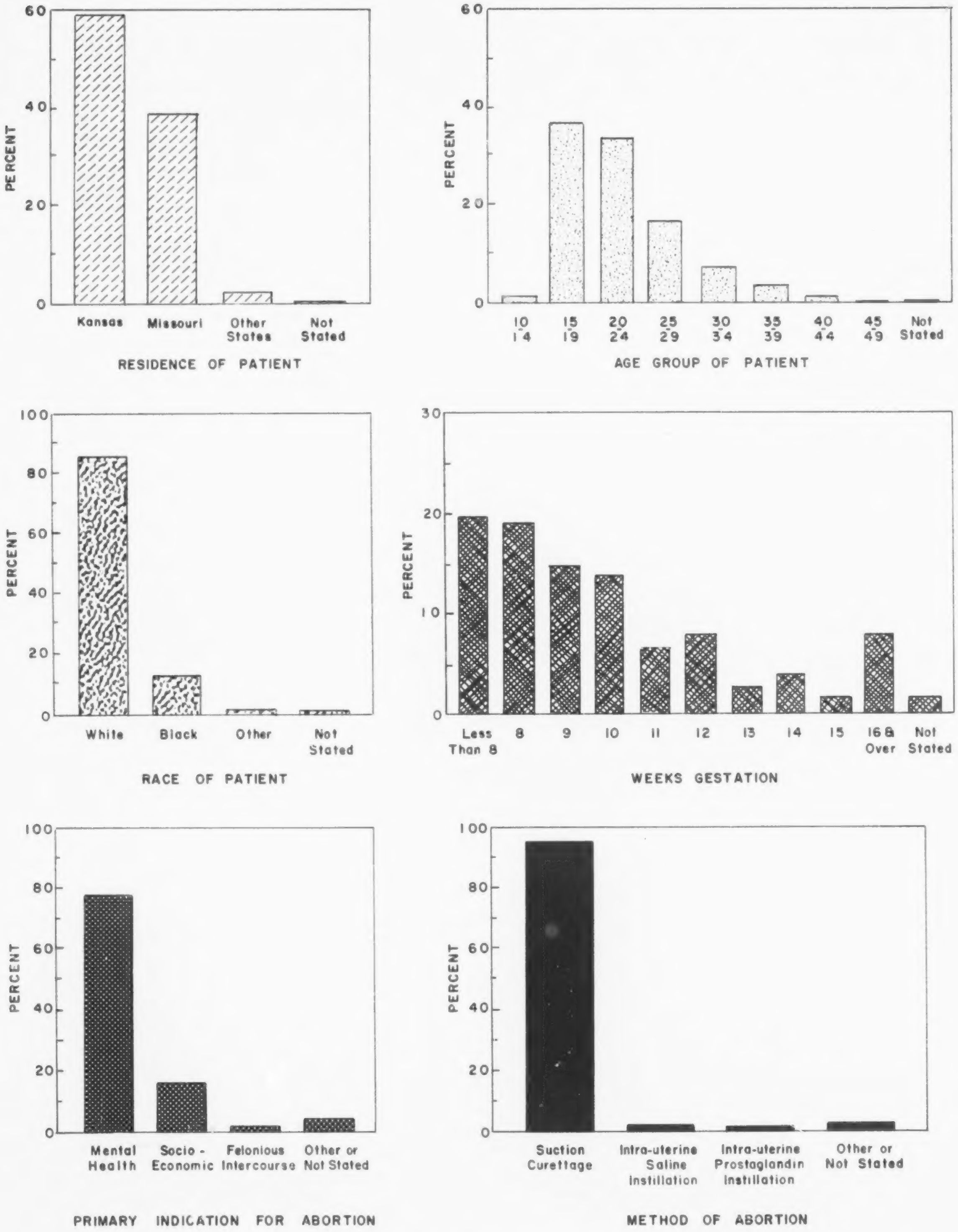
Figure 8

Of the total number of live births to mothers under 20, 36.6 percent were out-of-wedlock. Further, nearly half of the out-of-wedlock births (46.7 percent) were to mothers under 20.

Age-specific out-of-wedlock birth ratios reveal that 35.9 percent of the births to mothers 15 to 19 years of age were out-of-wedlock in 1979. The ratio dropped to 11.3 percent with the next age group, 20-24 years.

BIRTH-RELATED
MORTALITY

INDUCED ABORTIONS REPORTED IN KANSAS BY SELECTED CHARACTERISTICS 1979



Occurrence data.

Figure 9

BIRTH-RELATED MORTALITY

This section examines mortality as it relates to pregnancy, childbirth, and infancy. For discussion purposes it is divided into five subdivisions: (1) induced abortions; (2) fetal deaths (stillbirths); (3) Perinatal Period III mortality; (4) infant deaths; and (5) maternal deaths.

INDUCED ABORTIONS

The Kansas liberalized abortion law was enacted in July, 1970, and from that time through 1979, 106,117 abortions were reported in Kansas. There were 13,901 abortions reported in Kansas in 1979.

The number of abortions reported in Kansas from 1971 to 1979 are shown below. The decline in the number of abortions reported in Kansas after 1973 is attributable to the reduction in the number of out-of-state residents having abortions performed in Kansas since the 1973 United States Supreme Court ruling which legalized abortion in all states. However, in 1979 the number of abortions reported in Kansas reached a record high of 13,901, representing a 27.5 percent increase over the 1978 total of 10,904.

Number of Abortions Reported in Kansas by Year

Year	Number
1979.	13,901
1978.	10,904
1977.	10,898
1976.	11,597
1975.	10,860
1974.	10,871
1973.	12,612
1972.	12,248
1971.	9,472

Summary statistics are available only for those 12,335 abortions reported by hospitals and clinics participating in our abortion reporting system during 1979. Selected characteristics of these 12,335 abortions are illustrated in Figure 9.

Residency: In 1979, 7,281 abortions or 59.0 percent of the 12,335 reported in the State, were performed for Kansas residents. Of the 5,042 nonresidents who had abortions in Kansas, 94.3 percent (4,755) were Missouri residents. Residents from other states included those from Oklahoma (114), Illinois (79), Nebraska (31), Iowa (24) and Arkansas (13). Nineteen patients represented other states and residence was not stated in twelve cases. (Induced abortions by county of residence and age group of patient in 1979 are given in Appendix Table 26.)

Age of Patient: Most reported abortions were performed in the 15-19 and 20-24 age groups as shown in Figure 9. Enumerated below are residence data for the number of abortions by age group of patient, percent distribution and age-specific abortion ratios (number of abortions reported per thousand live births for a given age group.)

Abortions: Distribution by Age Group of Patient and Age-Specific Ratio

Age Group	Number	Percent	Ratio**
Total	7,281	100.0	n/a
10-14.	64	0.9	*
15-19.	2,691	37.0	464.0
20-24.	2,481	34.1	170.6
25-29.	1,150	15.8	94.5
30-34.	526	7.2	105.1
35-39.	261	3.6	230.6
40-44.	82	1.1	424.9
45-49.	10	0.1	*
N.S.	16	0.2	...

**Age-specific abortion ratios are expressed as the number of abortions per 1,000 live births for a given age group.

Race: Most of the abortion patients, 85.1 percent, in 1979 were White. Black patients represented 11.8 percent, other races constituted 1.6 percent and 1.5 percent did not report their race.

Marital Status of Patient: Of the 12,335 abortion patients in Kansas, 9,439 or 76.5 percent, were not married, 2,806, or 22.8 percent were married and 90 or 0.7 percent did not report their marital status.

Primary Indication for Abortion: In most cases, 77.6 percent, mental health was indicated as the patient's primary reason for seeking an abortion. Socio-economic was indicated in 1,950 cases, 15.8 percent, and felonious intercourse in 259 cases, 2.1 percent. Other reasons, such as physical health, fetal defect, rape, incest and emergencies were indicated in 164 cases or 1.3 percent and 385 or 3.1 percent fall into the category of other or not stated.

Method of Abortion: Ninety-six percent (11,793) of the abortions were performed by suction curettage. Intra-uterine saline instillation was utilized in 156 cases and intra-uterine prostaglandin instillation in 142 cases.

Weeks Gestation: Most abortions were performed within the first three months of pregnancy, or prior to the fourteenth week of gestation. Eighty-five percent were performed within thirteen weeks after conception.

FETAL DEATHS (Stillbirths)

There were 330 fetal deaths recorded for Kansas residents in 1979, representing a 0.3 percent decrease from the 1978 total of 331. The fetal death rate in 1979 was 8.4, per 1,000 total births, a decrease of 6.7 percent from the 1978 rate of 9.0. The fetal death rate has declined by 26.3 percent from the decade high of 11.4 in 1974. (Table 27 in the Appendix shows the number of fetal deaths by county of residence in 1979.)

Cause of Death: In 1979, 12.7 percent of the fetal deaths (42) were attributable to placental separation and hemorrhage. Other common causes of fetal deaths were: abnormalities of the placenta (36), compression of umbilical cord (32), premature rupture of membranes (17), and asphyxia or anoxia (16). (intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)

Weight: Fetuses weighing between 351 and 2,000 grams (12.4 oz. to 4 lb. 6 oz.) constituted 50.9 percent of the fetal deaths in 1979. Sixty-three percent of all fetal deaths weighed 2,500 grams or less (5 lb. 8 oz.).

Race: While 90.8 percent of the mothers of infants born in 1979 were White, 83.6 percent of the fetal deaths involved women of this race, indicating a somewhat greater fetal death rate for non-White races.

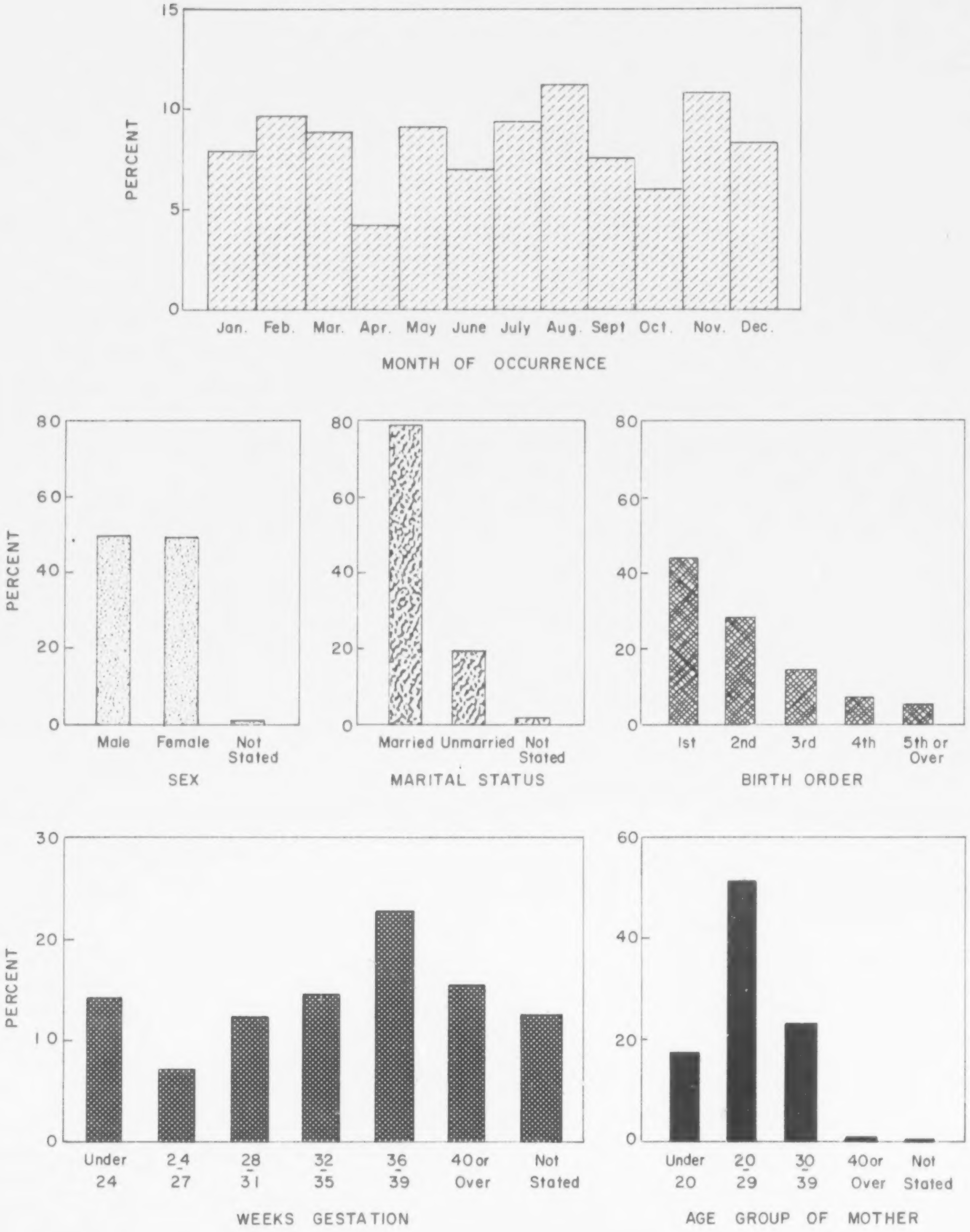
Maternal Age: The average age of mothers having fetal deaths in 1979 was 25.1 years, only slightly higher than the average maternal age of 24.6 years for live births. The number of fetal deaths by maternal age group, percent distribution and age-specific fetal death ratios (the number of fetal deaths per thousand live births for a given age group) are shown below.

Fetal Deaths: Distribution by Age Group of Mother and Age-Specific Ratios

Age Group	Number	Percent	Ratio**
Total	330	100.0	...
10-14	2	0.6	*
15-19	57	17.3	9.8
20-24	116	35.1	8.0
25-29	72	21.8	5.9
30-34	56	17.0	11.2
35-39	22	6.7	19.4
40-44	4	1.2	20.7
45-49	-	-	-
N.S	1	0.3	...

**Age-specific fetal death ratios are expressed as the number of fetal deaths per 1,000 live births for a given age group.

FETAL DEATHS BY SELECTED CHARACTERISTICS
KANSAS, 1979



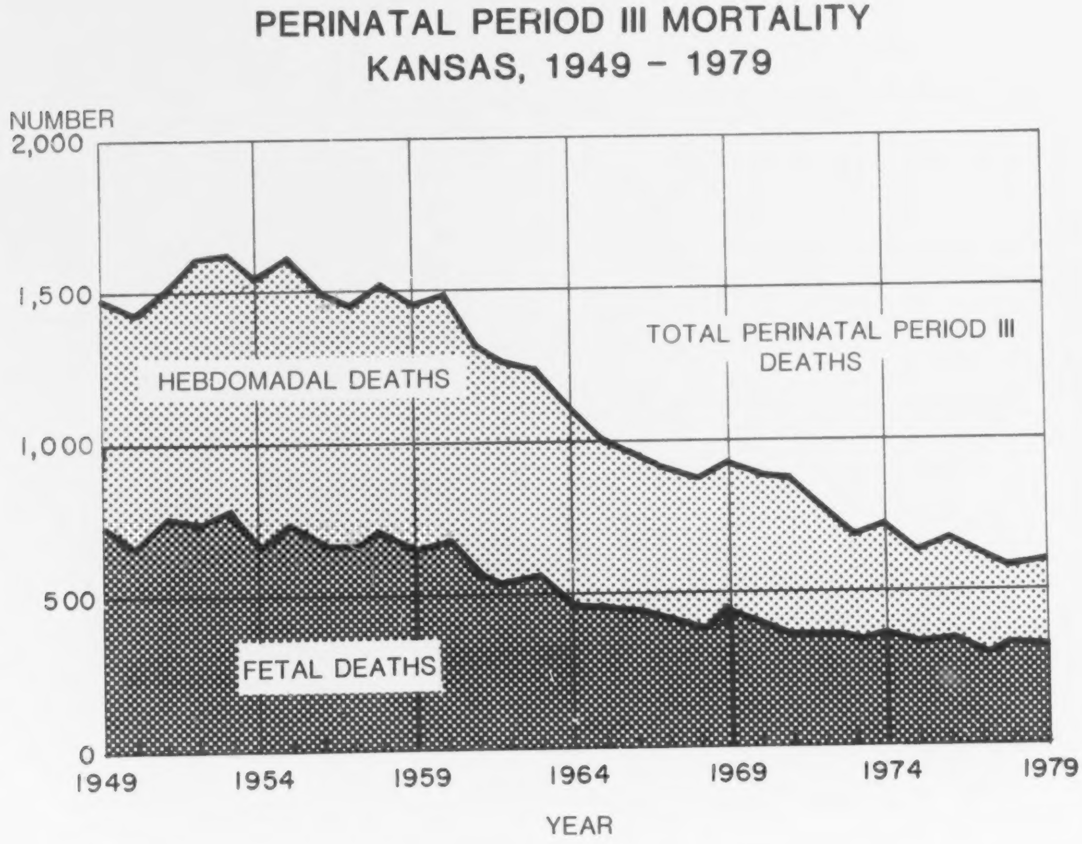
Residence data.

Figure 10

Other Characteristics: Selected characteristics of fetal deaths in 1979 are outlined in Figure 10. Viewing the month of occurrence, 11.2 percent of the fetal deaths occurred in August and 10.9 percent in November, while only 4.2 percent were reported in April; no particular seasonal or monthly patterns were evident in the remaining months. As a comparison, 51.6 percent of the live births in 1979 were males while 50.0 percent of the fetal deaths for the year were male fetuses. Nineteen (19.1) percent of all fetal deaths were from out-of-wedlock pregnancies. The largest percentage of fetal deaths (44.2 percent) occurred with first pregnancies, with the incidence declining with higher birth order. Thirty-nine (38.5) percent of the fetal deaths occurred after 35 weeks of gestation.

PERINATAL PERIOD III MORTALITY

Perinatal Period III mortality refers to the aggregated total of fetal deaths and hebdomadal deaths (deaths which occur within seven days after birth).



Residence data.

Figure 11

Since 1955 there has been a general downward trend in the number of Perinatal Period III deaths. The number of deaths decreased from 1,604 in 1955 to 590 in 1979. A graphic representation of Perinatal Period III mortality which occurred between 1949 and 1979 is presented in Figure 11.

Table 5
Perinatal Period III Mortality
Kansas, Selected Years, 1949-1979

Year	Fetal Deaths*	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate
1979....	330	260	590	15.0
1978....	331	254	585	15.8
1977....	308	335	643	17.3
1976....	364	310	674	18.9
1975....	341	304	645	18.9
1974....	379	354	733	22.2
1973....	355	342	697	21.6
1972....	375	410	785	23.4
1971....	380	506	886	24.3
1970....	423	477	900	23.3
1969....	456	480	936	24.9
1968....	393	494	887	24.7
1967....	430	482	912	25.8
1966....	455	522	977	26.7
1965....	466	550	1,016	25.6
1961....	555	763	1,318	26.1
1957....	672	806	1,478	27.5
1953....	789	814	1,603	30.4
1949....	727	755	1,482	33.3

*Criteria for reporting fetal deaths changed from twenty weeks gestation to a fetal weight of more than 350 grams in 1963.

Residence data.

Examining the components which constitute Perinatal Period III mortality in Table 5, both the numbers of fetal deaths and hebdomadal deaths declined during the 1949 to 1979 period. Fetal deaths accounted for 54.6 percent fewer deaths in 1979 than they did in 1939, and hebdomadal deaths decreased by 65.6 percent. (Perinatal Period III deaths by county of residence are given in Appendix Table 27.)

INFANT DEATHS

An infant death is defined as a death of a liveborn infant who is under one year of age. Below are the major components, or stages of infancy, which constitute the first year of life, and deaths which occur during that time are hereafter classified in a like manner.

Hebdomadal deaths - occur prior to the seventh day of life.

Post-hebdomadal deaths - occur from 7 through 27 days after birth.

Neonatal deaths - occur prior to the twenty-eighth day of life.

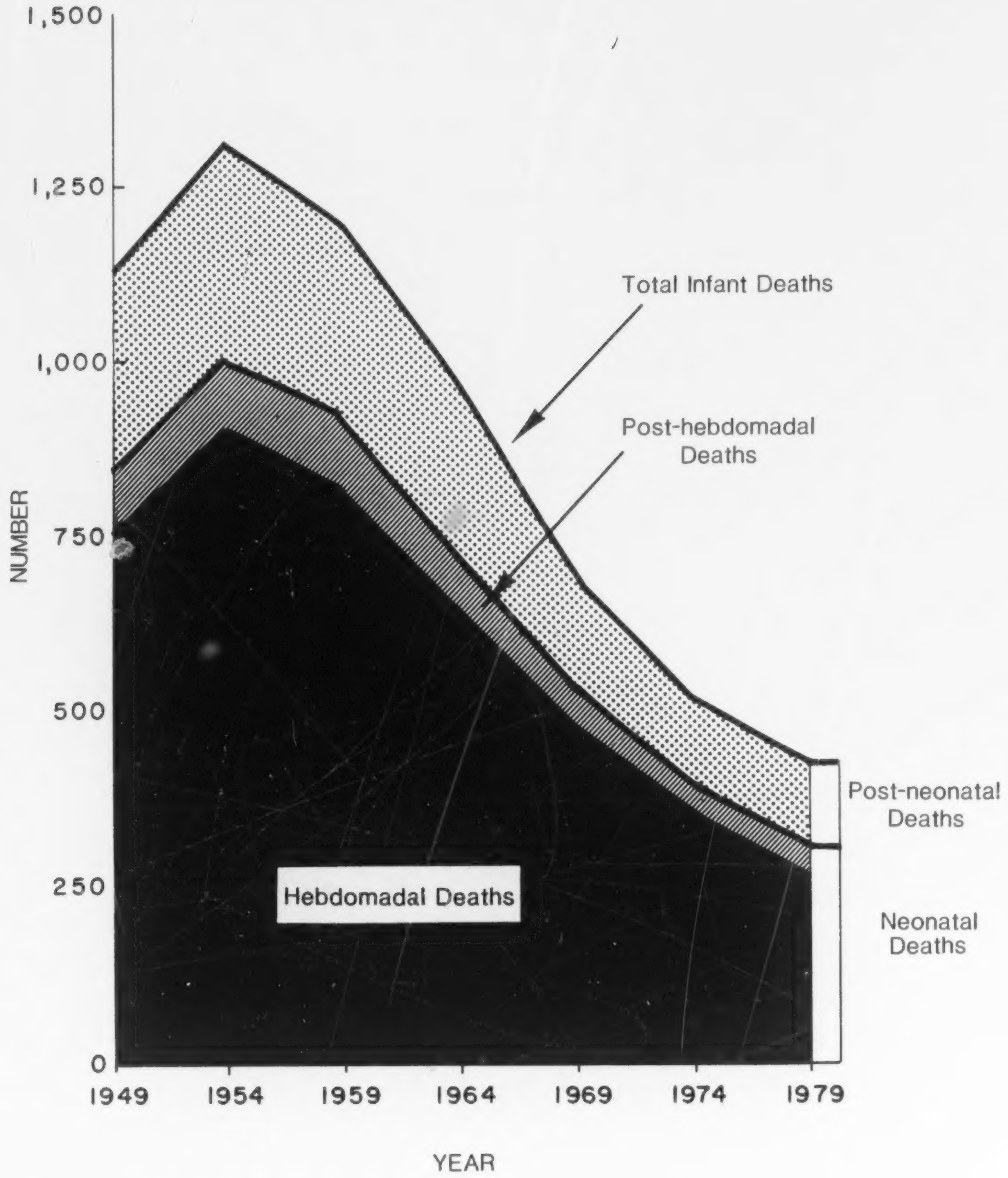
Post-neonatal deaths - occur after 27 days but prior to one year after birth.

These stages overlap in that neonatal deaths represent the total of the two categories --hebdomadal and post-hebdomadal deaths. Infant deaths are the sum of neonatal deaths and post-neonatal deaths.

Kansas infant deaths reached a record low of 427 in 1979. The number of infant deaths, as graphically presented in Figure 12, declined 62.2 percent from 1949 to 1979. Expressed as a rate per thousand live births, infant deaths dropped from 25.8 in 1949 to 11.0 in 1979. By comparison the estimated infant mortality rate for the United States was 13.0 in 1979. The component stages of infant deaths, neonatal deaths (including the hebdomadal and post-hebdomadal periods) and post-neonatal deaths, declined in Kansas in a somewhat parallel manner during the 1949-1979 time period, with the margin between the two narrowing slightly in later years. Neonatal deaths totaled 301 in 1979 compared to 848 in 1949, a 64.5 percent decline. Post-neonatal deaths concurrently dropped by 55.5 percent, from 283 in 1949 to 126 in 1979. (Table 28 in the Appendix shows the number of infant deaths by components and county of residence in 1979.)

Cause of Death: "Congenital anomalies" was the most common cause of infant death and accounted for 103 or 24.1 percent of all infant deaths. "Respiratory distress syndrome and other respiratory conditions" represented 79 or 18.5 percent of all infant deaths and was the second leading cause. All causes of infant death by age group are listed in Table 6. In the Ninth Revision of the Manual of the International Statistical Classification of Diseases, "Respiratory distress syndrome" was separated from "hypoxia and birth asphyxia," accounting for the large decrease in the latter between 1978 and 1979.

INFANT DEATHS BY COMPONENT KANSAS, SELECTED YEARS, 1949 - 1979



Residence data.

Figure 12

Table 6
Infant Deaths by Cause and Age Group of Infant
Kansas, 1979

Cause of Death (ICD Code)	Age Group of Infant						
	Under 1 Day	1-6 Days	Under 7 Days**	7-27 Days	Under 28 Days***	28-364 Days	Under 1 Year
All Causes (000-E999)......................	178	82	260	41	301	126	427
Infections and Parasitic Diseases (001-139)......................	2	3	5	1	6	8	14
Other Diseases and Disorders (140-739)......................	6	5	11	3	14	40	54
Congenital Anomalies (740-759)......................	36	27	63	13	76	27	103
Certain Conditions Originating in the Perinatal Period (760-779)......................	134	47	181	21	202	4	206
·Maternal Conditions of Pregnancy and Childbirth (760-761, 763-764)...........	23	2	25	-	25	-	25
·Complications of Placenta, Cord and Membranes (762)......................	4	-	4	-	4	-	4
·Immaturity (765)......................	35	4	39	-	39	-	39
·Birth Trauma (767)......................	2	7	9	1	10	1	11
·Hypoxia and Birth Asphyxia (768)......................	12	2	14	-	14	-	14
·Respiratory Distress Syndrome and Other Respiratory Conditions (769-770)....................	45	21	66	10	76	3	79
·Infections Specific to Perinatal Period (771)......................	-	2	2	3	5	-	5
·Fetal and Neonatal Hemmorrhage (772)......................	3	3	6	1	7	-	7
·Other (773-779)....................	10	6	16	6	22	-	22
Symptoms and Ill-defined Conditions (780-799)......................	-	-	-	3	3	40	43
·Sudden Infant Death Syndrome (798)......................	-	-	-	3	3	39	42
·Other (785)......................	-	-	-	-	-	1	1
External Causes of Injury and Poisoning (E800-E999)......................	-	-	-	-	-	7	7

**Hebdomadal Deaths
***Neonatal Deaths

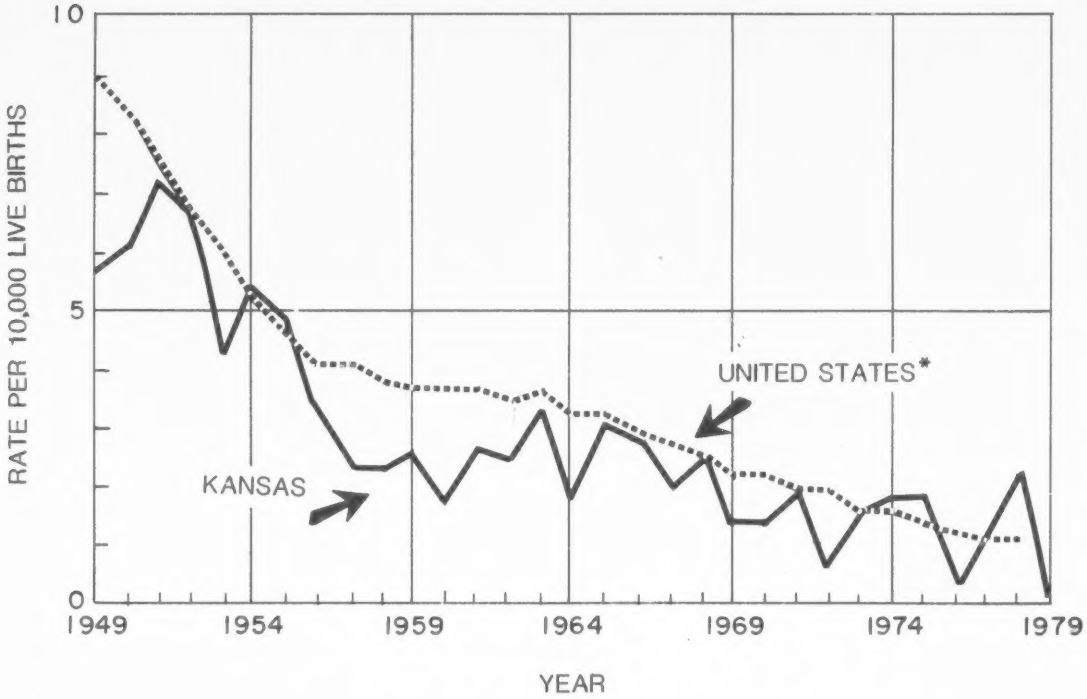
Residence data.

MATERNAL DEATHS

Maternal deaths are those attributable to complications of pregnancy, childbirth or the puerperium, based on the certified cause of death listed on the death certificate.

During 1979, 3 maternal deaths occurred to Kansas residents. Maternal mortality rates, expressed as the number of maternal deaths per ten thousand live births, for Kansas and the nation declined considerably between 1949 and 1979 as illustrated in Figure 13. While the U.S. rate showed a steady decline, the descent of Kansas' rate was somewhat more erratic. Overall, the rate of maternal deaths in Kansas was generally below that of the United States during that period. The maternal death rate for Kansas in 1979 was 0.8, a 86.0 percent decrease from the 1949 maternal death rate of 5.7.

MATERNAL MORTALITY RATES
KANSAS AND THE UNITED STATES, 1949-1979



*1979 data from the National Center for Health Statistics not available at the time of publication.

Residence data.

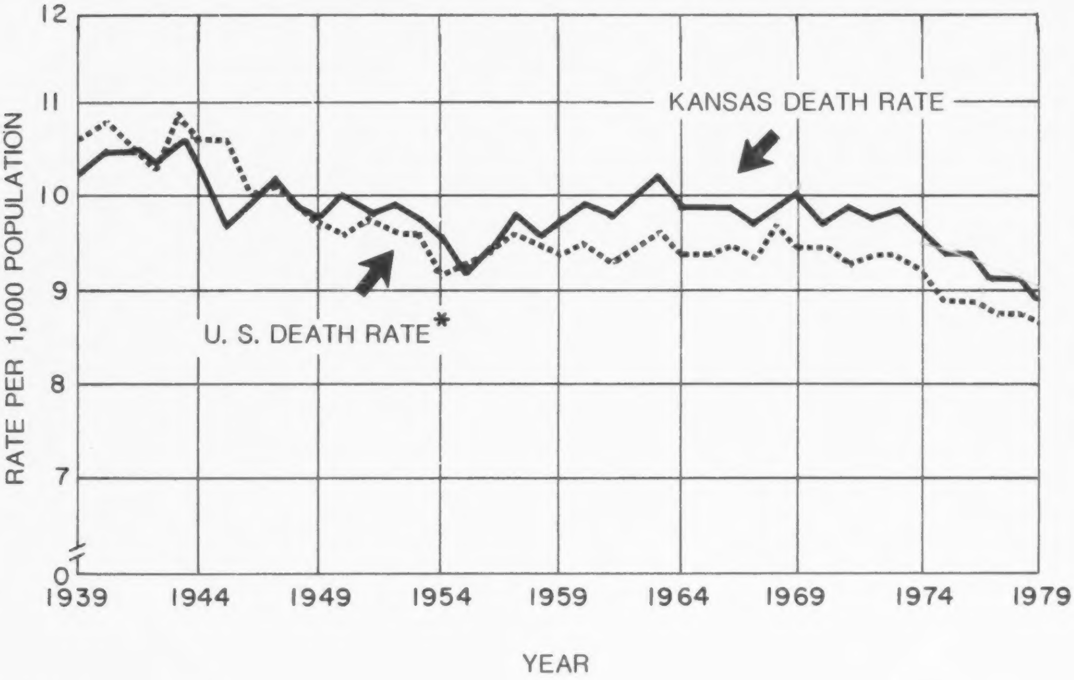
Figure 13

GENERAL MORTALITY

DEATHS

A total of 21,062 resident deaths were recorded during 1979, representing a 2.3 percent decrease from the 21,566 deaths recorded in 1978. The death rate for Kansas in 1979 was 8.9 per thousand population. This establishes a new record low death rate for Kansas residents. As illustrated in Figure 14, the Kansas death rate has remained relatively stable between the years 1939 and 1979, not rising above 10.6 (1943) nor falling below 8.9 (1979).

DEATH RATES
KANSAS AND THE UNITED STATES, 1939-1979



*1979 United States death rate represents provisional data from the National Center for Health Statistics.

Residence data.

Figure 14

The Kansas death rate in 1979 was 2.3 percent higher than the national death rate of 8.7. During the 1959-1979 period the Kansas rate was, on the average, 4.4 percent higher than the national rate. It should be noted however that the age distribution of the population has a significant bearing on the level of the crude death rate, and the percentage of population 65 years and older was estimated at 12.7 for Kansas in 1979 compared to 11.2 percent for the nation as a whole. On this basis, plus the observed higher than average life expectancy of Kansas residents, it may be assumed that the death rate in Kansas compares favorably with the national rate.

DEATH RATES BY COUNTY OF RESIDENCE
KANSAS, 1979

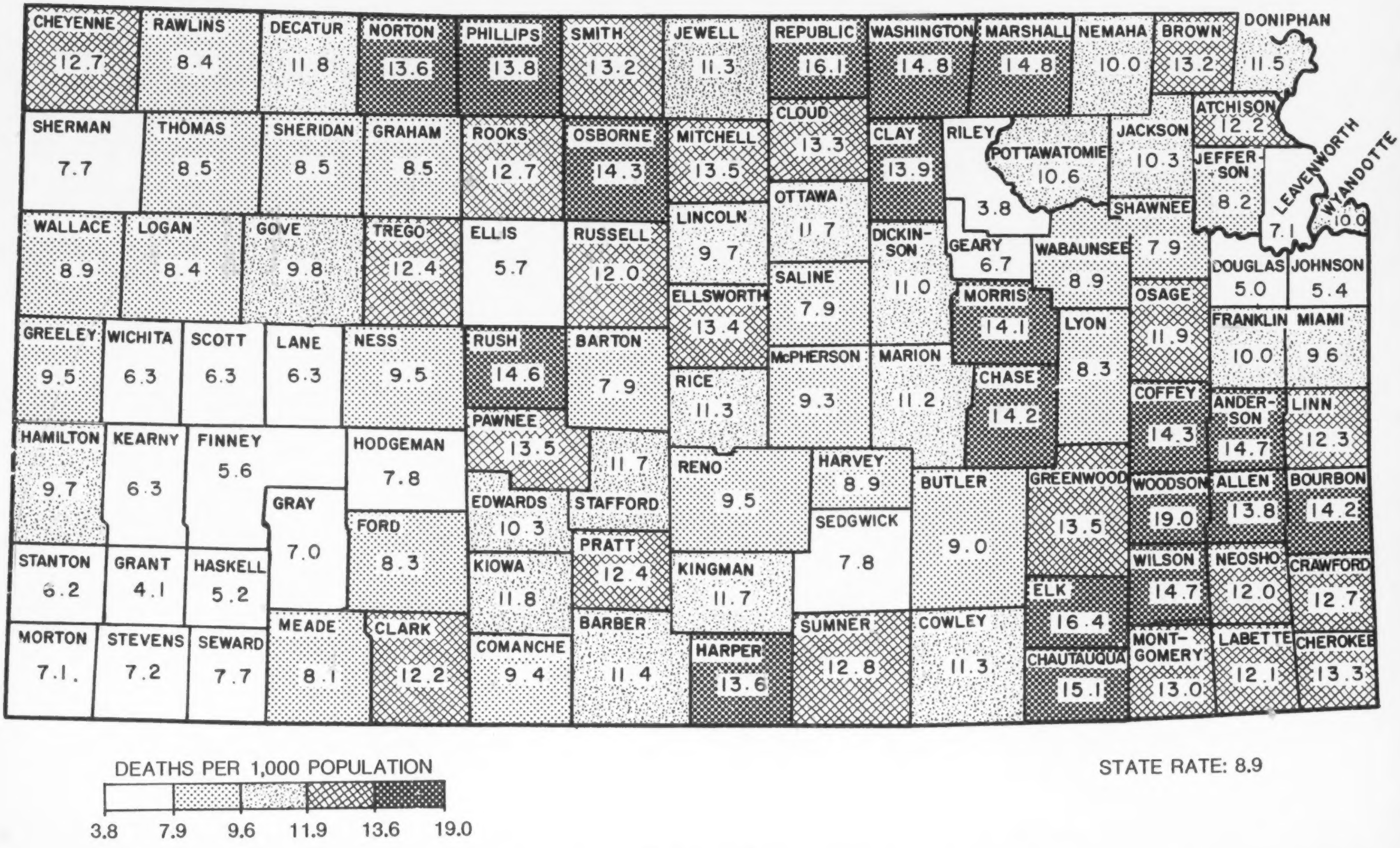

CHEYENNE 12.7
RAWLINS 8.4
DECATUR 11.8
NORTON 13.6
PHILLIPS 13.8
SMITH 13.2
JEWELL 11.3
REPUBLIC 16.1
WASHINGTON 14.8
MARSHALL 14.8
NEMAHA 10.0
BROWN 13.2
DONIPHAN 11.5
SHERMAN 7.7
THOMAS 8.5
SHERIDAN 8.5
GRAHAM 8.5
ROOKS 12.7
OSBORNE 14.3
MITCHELL 13.5
CLOUD 13.3
CLAY 13.9
RILEY 3.8
POTTAWATOMIE 10.6
JACKSON 10.3
ATCHISON 12.2
JEFFER-SON 8.2
LEAVENWORTH 7.1
WYANDOTTE 10.0
WALLACE 8.9
LOGAN 8.4
GOVE 9.8
TREGO 12.4
ELLIS 5.7
RUSSELL 12.0
LINCOLN 9.7
OTTAWA 11.7
DICKIN-SON 11.0
GEARY 6.7
WABAUNSEE 8.9
SHAWNEE 7.9
DOUGLAS 5.0
JOHNSON 5.4
ELLSWORTH 13.4
SALINE 7.9
MORRIS 14.1
LYON 8.3
OSAGE 11.9
FRANKLIN 10.0
MIAMI 9.6
GREELEY 9.5
WICHITA 6.3
SCOTT 6.3
LANE 6.3
NESS 9.5
RUSH 14.6
BARTON 7.9
RICE 11.3
McPHERSON 9.3
MARION 11.2
CHASE 14.2
COFFEY 14.3
ANDER-SON 14.7
LINN 12.3
HAMILTON 9.7
KEARNY 6.3
FINNEY 5.6
HODGEMAN 7.8
PAWNEE 13.5
STAFFORD 11.7
RENO 9.5
HARVEY 8.9
BUTLER 9.0
GREENWOOD 13.5
WOODSON 19.0
ALLEN 13.8
BOURBON 14.2
GRAY 7.0
FORD 8.3
EDWARDS 10.3
SEDGWICK 7.8
STANTON 6.2
GRANT 4.1
HASKELL 5.2
KIOWA 11.8
PRATT 12.4
KINGMAN 11.7
ELK 16.4
WILSON 14.7
NEOSHO 12.0
CRAWFORD 12.7
MORTON 7.1
STEVENS 7.2
SEWARD 7.7
MEADE 8.1
CLARK 12.2
COMANCHE 9.4
BARBER 11.4
HARPER 13.6
SUMNER 12.8
COWLEY 11.3
CHAUTAUQUA 15.1
MONT-GOMERY 13.0
LABETTE 12.1
CHEROKEE 13.3
DEATHS PER 1,000 POPULATION
3.8
7.9
9.6
11.9
13.6
19.0
STATE RATE: 8.9

Figure 15

Death rates by county of residence for 1979 are shown in Figure 15. Riley County had a low rate of 3.8 per 1,000 population, while Woodson County had a high of 19.0. The difference in age distribution of the county population, as well as chance fluctuations when relatively small numbers are involved, should be taken into account when making county level crude death rate comparisons. (The number of deaths and respective rates for 1975-1979 on a county of residence basis are given in Appendix Table 29.)

Age, Race and Sex of Decedent

The average age at death of Kansas residents in 1979 was 70.3 years. As illustrated in Figure 16, 24 counties had an average age at death of 75 years or more. (The number of deaths by age group and average age at death by county of residence are given in Appendix Table 30.)

Ninety-five percent of the Kansas decedents in 1979 were White, 4.7 percent were Black and less than one percent were of other races. The average age at death for the White population was 70.8, approximately ten years older than that of the Black population, whose average age at death was 60.9. Excepting the 1-4 age group and the two oldest age groups, male deaths exceeded female deaths by a considerable margin. The distribution of 1979 Kansas resident deaths by age group, race, sex and average age at death is presented in Table 7.

Leading Causes of Death

Given in Table 8 are selected causes of death by age group of Kansas residents that died in 1979. The listed causes of death and the process of assigning the underlying cause of death are in accordance with the Ninth Revision of the International Statistical Classification of Diseases, Injuries, and Causes of Death, adapted for use in the United States and published by the National Center for Health Statistics.

This discussion is not exhaustive of all causes of death of Kansas residents, rather it highlights the major causes in terms of magnitude of numbers of deaths from particular causes. (The number of deaths in Kansas from the twenty leading causes of death by county of residence are given in Appendix Table 31.)

The two leading causes of death in Kansas, heart disease and malignant neoplasms, had average ages at death of 76.2 and 68.7, respectively. Atherosclerosis, with an average age at death of 86.1 years, had the highest average age at death of any of the leading causes of death.

Examining the ten leading causes of death for Kansas residents in 1979, Table 9 shows not only the number of deaths attributable to each cause but also the disease-specific death rates and average age at death for males and females. (Appendix Table 32 enumerates disease-specific death rates of the ten leading causes of death by county of residence.) Table 10 provides comparisons of deaths for Kansas and the United States for selected leading causes by number and rate for 1979.

AVERAGE AGE AT DEATH
BY COUNTY OF RESIDENCE, KANSAS, 1979

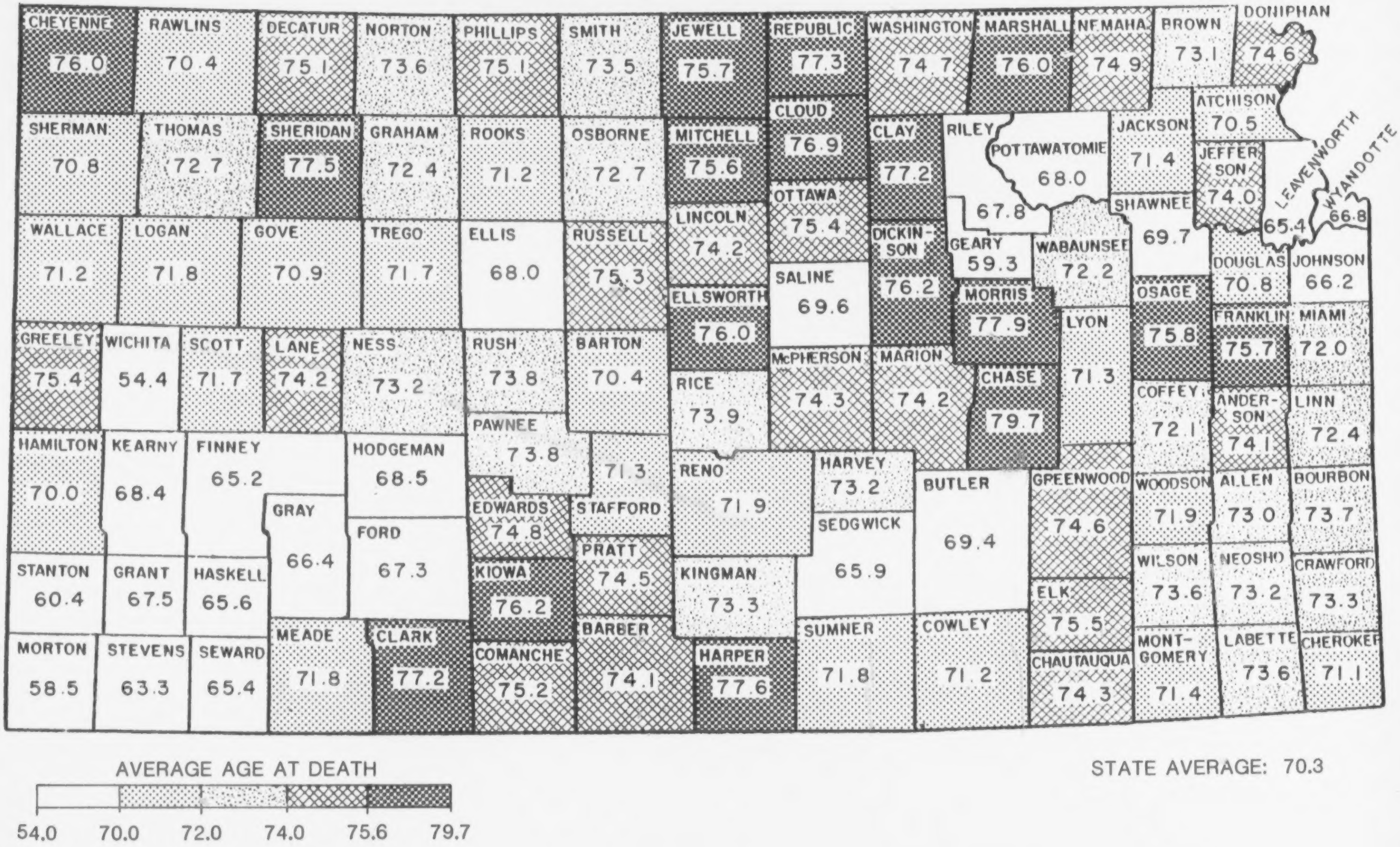

CHEYENNE 76.0
RAWLINS 70.4
DECATUR 75.1
NORTON 73.6
PHILLIPS 75.1
SMITH 73.5
JEWELL 75.7
REPUBLIC 77.3
WASHINGTON 74.7
MARSHALL 76.0
NEMAHA 74.9
BROWN 73.1
DONIPHAN 74.6
SHERMAN 70.8
THOMAS 72.7
SHERIDAN 77.5
GRAHAM 72.4
ROOKS 71.2
OSBORNE 72.7
MITCHELL 75.6
CLOUD 76.9
CLAY 77.2
RILEY 67.8
POTTAWATOMIE 68.0
JACKSON 71.4
ATCHISON 70.5
JEFFERSON 74.0
LEAVENWORTH 65.4
WYANDOTTE 66.8
WALLACE 71.2
LOGAN 71.8
GOVE 70.9
TREGO 71.7
ELLIS 68.0
RUSSELL 75.3
LINCOLN 74.2
OTTAWA 75.4
DICKINSON 76.2
GEARY 59.3
WABAUNSEE 72.2
SHAWNEE 69.7
DOUGLAS 70.8
JOHNSON 66.2
ELLSWORTH 76.0
SALINE 69.6
MORRIS 77.9
OSAGE 75.8
FRANKLIN 75.7
MIAMI 72.0
GREELEY 75.4
WICHITA 54.4
SCOTT 71.7
LANE 74.2
NESS 73.2
RUSH 73.8
BARTON 70.4
RICE 73.9
McPHERSON 74.3
MARION 74.2
CHASE 79.7
LYON 71.3
COFFEY 72.1
ANDERSON 74.1
LINN 72.4
HAMILTON 70.0
KEARNY 68.4
FINNEY 65.2
HODGEMAN 68.5
PAWNEE 73.8
STAFFORD 71.3
RENO 71.9
HARVEY 73.2
BUTLER 69.4
GREENWOOD 74.6
WOODSON 71.9
ALLEN 73.0
BOURBON 73.7
GRAY 66.4
FORD 67.3
EDWARDS 74.8
SEDGWICK 65.9
STANTON 60.4
GRANT 67.5
HASKELL 65.6
KIOWA 76.2
PRATT 74.5
KINGMAN 73.3
WILSON 73.6
NEOSHO 73.2
CRAWFORD 73.3
ELK 75.5
MORTON 58.5
STEVENS 63.3
SEWARD 65.4
MEADE 71.8
CLARK 77.2
COMANCHE 75.2
BARBER 74.1
HARPER 77.6
SUMNER 71.8
COWLEY 71.2
CHAUTAUQUA 74.3
MONTGOMERY 71.4
LABETTE 73.6
CHEROKEE 71.1
AVERAGE AGE AT DEATH
54.0
70.0
72.0
74.0
75.6
79.7
STATE AVERAGE: 70.3

Figure 16

Table 7
Deaths by Race and Sex, by Age Group and Average Age at Death
Kansas, 1979

Race and Sex	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	Average Age at Death
Deaths-All Races.....	21,062	427	103	101	503	419	474	1,122	2,630	4,411	5,935	4,936	1	70.3
Male...............	11,207	236	50	64	378	310	303	701	1,709	2,703	2,980	1,772	1	67.0
Female.............	9,855	191	53	37	125	109	171	421	921	1,708	2,955	3,164	-	74.0
White................	20,003	360	94	92	452	380	419	1,032	2,467	4,194	5,716	4,797	-	70.8
Male...............	10,613	202	47	59	343	284	267	643	1,610	2,578	2,871	1,709	-	67.5
Female.............	9,390	158	47	33	109	96	152	389	857	1,616	2,845	3,088	-	74.6
Black................	992	60	9	6	46	32	50	85	153	206	215	130	-	60.9
Male...............	556	30	3	4	33	24	33	53	89	120	107	60	-	59.4
Female.............	436	30	6	2	13	8	17	32	64	86	108	70	-	62.9
Indian...............	36	3	-	1	2	3	3	3	6	7	4	4	-	*
Male...............	21	2	-	1	1	1	2	3	6	2	2	1	-	*
Female.............	15	1	-	-	1	2	1	-	-	5	2	3	-	*
Other................	21	4	-	2	1	4	2	1	2	3	-	2	-	*
Male...............	10	2	-	-	1	1	1	1	2	2	-	-	-	*
Female.............	11	2	-	2	-	3	1	-	-	1	-	2	-	*
Unknown..............	10	-	-	-	2	-	-	1	2	1	-	3	1	*
Male...............	7	-	-	-	-	-	-	1	2	1	-	2	1	*
Female.............	3	-	-	-	2	-	-	-	-	-	-	1	-	*

Residence data.

Table 8
Selected Causes of Death by Age Group
And Average Age at Death
Kansas, 1979

Selected Causes of Death (ICD Code)	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	Average Age at Death
All Causes....................	21,062	427	103	101	503	419	474	1,122	2,630	4,411	5,935	4,936	1	70.3
Selected Causes....................	18,184	137	78	80	441	358	400	989	2,279	3,846	5,194	4,381	1	n/a
Tuberculosis (010-018)..........................	14	-	-	-	-	-	-	2	3	2	5	2	-	71.2
Malignant Neoplasms (140-208)..........................	4,212	1	5	14	20	44	115	369	852	1,281	1,087	424	-	68.7
Diabetes Mellitus (250)..............................	354	-	-	-	2	7	6	20	51	97	106	65	-	72.2
Hypertension (401, 403)........................	79	-	-	-	-	-	3	2	4	13	23	34	-	79.0
Heart Disease (390, 398, 402, 404, 410-429).....	8,106	10	4	3	7	25	85	344	956	1,733	2,600	2,338	1	76.2
Cerebrovascular Disease (430-438)..........................	2,070	4	-	1	5	4	10	46	113	347	767	773	-	79.5
Atherosclerosis (440)..............................	437	-	-	-	-	1	-	-	6	32	117	281	-	86.1
Pneumonia and Influenza (480-487)..........................	593	9	6	2	2	5	7	13	28	63	188	270	-	78.8
Emphysema (492)..............................	140	-	-	-	-	-	1	4	25	53	40	17	-	72.4
Ulcer of Stomach and Duodenum (531-533)..........................	77	-	-	-	-	-	-	5	8	13	26	25	-	77.6
Chronic Liver Disease and Cirrhosis (571)..............................	189	-	-	1	1	1	19	38	59	47	18	5	-	59.8
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)..........................	201	3	-	-	3	2	1	3	19	37	80	53	-	75.5
Congenital Anomalies (740-759)..........................	147	103	9	5	3	2	5	4	8	4	4	-	-	11.5
Accidents (E800-E949).......................	1,142	7	49	51	296	163	94	90	104	88	114	86	-	42.5
Suicide (E950-E959).......................	295	-	-	-	53	78	34	35	35	34	18	8	-	44.2
Homicide (E960-E969).......................	128	-	5	3	49	26	20	14	8	2	1	-	-	30.8

Residence data.

Table 9
Ten Leading Causes of Death by Sex
By Number, Rate and Average Age at Death
Kansas, 1979

Leading Causes of Death (ICD Code)	Number of Deaths			Disease-Specific Death Rate			Average Age at Death		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes (000-E999).............	21,062	11,207	9,855	891.7	968.3	818.1	70.3	67.0	74.0
Heart Disease (390-398, 402, 404, 410-429)..	8,106	4,322	3,784	343.2	373.4	314.1	76.2	72.9	80.0
Malignant Neoplasms (140-208)....................	4,212	2,324	1,888	178.3	200.8	156.7	68.7	68.4	69.0
Cerebrovascular Disease (430-438)....................	2,070	830	1,240	87.6	71.7	102.9	79.5	77.2	81.0
Accidents (E800-E949)..................	1,142	799	343	48.3	69.0	28.5	42.5	39.1	50.5
Pneumonia and Influenza (480-487)....................	593	277	316	25.1	23.9	26.2	78.8	76.3	81.0
Atherosclerosis (440)........................	437	171	266	18.5	14.8	22.1	86.1	84.4	87.2
Diabetes Mellitus (250)........................	354	153	201	15.0	13.2	16.7	72.2	70.2	73.7
Suicide (E950-E959)..................	295	223	72	12.5	19.3	6.0	44.2	43.5	46.2
Certain Conditions Originating in the Perinatal Period (760-779)....................	207	112	95	8.8	9.7	7.9	0.1	0.2	0.1
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)....................	201	96	105	8.5	8.3	8.7	75.5	75.7	75.4

Residence data.

Table 10
Selected Leading Causes of Death by Number and Rate
Kansas and the United States, 1979

Cause of Death (ICD Code)	Kansas		United States** (Estimates)	
	Number	Rate	Number	Rate
All Causes................	21,062	891.7	189,538	866.2
Heart Disease (390-398, 402, 404, 410-429)..	8,106	343.2	72,310	330.4
Malignant Neoplasms (140-208)....................	4,212	178.3	40,146	183.5
Cerebrovascular Disease (430-438)....................	2,070	87.6	16,732	76.5
Accidents (E800-E949)..................	1,142	48.3	10,274	47.0
Pneumonia and Influenza (480-487)....................	593	25.1	4,377	20.0
Atherosclerosis (440)........................	437	18.5	2,841	13.0
Diabetes Mellitus (250)........................	354	15.0	3,278	15.0
Suicide (E950-E959)..................	295	12.5	2,571	11.7
Certain Conditions Originating in the Perinatal Period (760-779)....................	207	8.8	2,302	10.5
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)....................	201	8.5	1,595	7.3
Chronic Liver Disease and Cirrhosis (571)........................	189	8.0	2,962	13.5
Congenital Anomalies (740-759)....................	147	6.2	1,344	6.1
Emphysema (492)........................	140	5.9	1,396	6.4
Hypertension (401, 403)....................	79	3.3	685	3.1
Ulcer of Stomach and Duodenum (531-533)....................	77	3.3	548	2.5

**United States estimates are from the National Center for Health Statistics and are based on a 10 percent sample.

Residence data.

Four Leading Causes: Depicted in Figure 17 are the year by year death rate trends of the four leading causes of death from 1939-1979. The rate of heart disease, the number one cause of death in Kansas, rose considerably from 1939 to 1961. After stabilizing somewhat for the next ten years, the heart disease death rate has gradually declined to 343.2 per 100,000 population in 1979, identical to the 1978 rate. The estimated heart disease rate for the United States in 1979 was 330.4, or 3.7 percent lower than the Kansas rate. The heart disease rate among Kansas men was 373.4 per 100,000 population in 1979 compared to 314.1 among the female population. The male victims of fatal heart disease averaged more than seven years younger than female victims.

Cancer was the second-leading cause of death in Kansas in 1979, rising from 128.8 deaths per 100,000 population in 1939 to 178.3 in 1979. Comparatively, the estimated cancer death rate for the United States of 183.5 per 100,000 population for 1979 was 2.9 percent higher than the Kansas rate. The incidence of terminal cancer was higher for men than for women, as evidenced by the death rates of 200.8 for males and 156.7 for females.

Kansas death rates for cerebrovascular disease, the number three cause of death in 1979, remained between 104.6 and 137.0 from 1939 to 1975. However, the rate dropped to 95.7 in 1976 and 87.6 in 1979. The estimated 1979 cerebrovascular disease rate for the United States was 76.5, or 12.7 percent lower than the Kansas rate. Comparing the number of male and female victims in 1979, nearly sixty (59.9) percent were females, and the sex-specific rate was 102.9 for females and 71.7 for males.

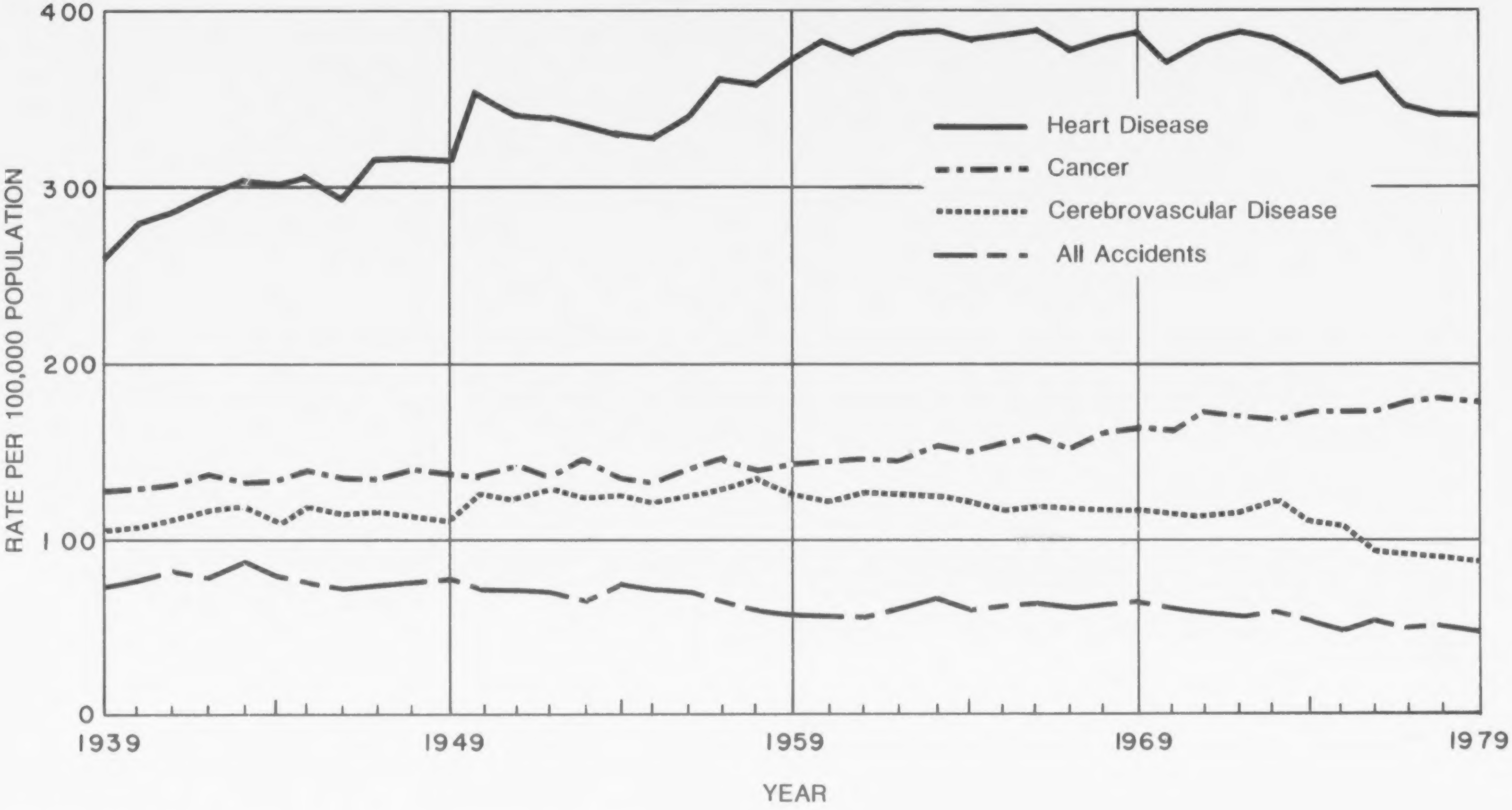
Accidental deaths accounted for 5.4 percent of all deaths in Kansas in 1979, making it the fourth leading cause during that year. The death rate from accidents declined from 73.7 in 1939 to 48.3 in 1979. By comparison the estimated 1979 rate for the United States was 47.0 or 2.7 percent below the Kansas rate.

Leading Causes by Age Group: Variations in the most prevalent causes of death by selected age groups are presented in Figure 18. The leading causes of death for each age group are listed in order of magnitude. It is thus noted that in 1979, accidents were the most frequent cause of death for victims between one year of age and forty-four years, especially in the 15-24 year age group. Heart disease was more commonly fatal to those persons over 44 years old. Cancer and cerebrovascular disease also claimed more victims of older age groups than of younger. Suicide and homicide had the greatest impact upon persons of the 15-24 and 25-44 categories. Influenza and pneumonia was one of the five leading causes of death of persons over 64.

Heart Disease: The number one cause of death in Kansas, heart disease, claimed 8,106 lives in 1979 and accounted for 38.5 percent of all deaths during the year.

The classifications which constitute heart disease, the number of deaths attributable to each and the respective sex and age group distributions are presented in Table 11.

DEATH RATES FOR LEADING CAUSES OF DEATH
KANSAS, 1939-1979

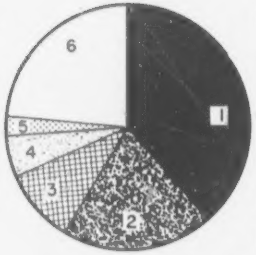


Residence data.

Figure 17

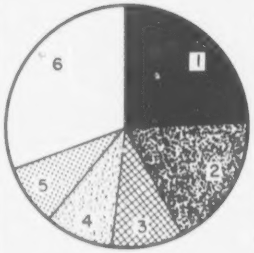
LEADING CAUSES OF DEATH BY AGE GROUP
KANSAS, 1979

ALL AGES



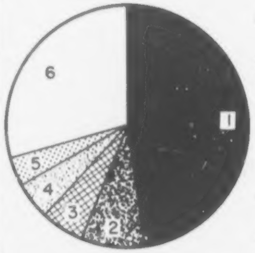
Cause of Death	Number of Deaths
1. Heart Disease	8,106
2. Cancer	4,212
3. Cerebrovascular Disease	2,070
4. Accidents	1,142
5. Pneumonia and Influenza	593
6. Other Causes	4939
Total Deaths[1]	21,062

UNDER 1 YEAR



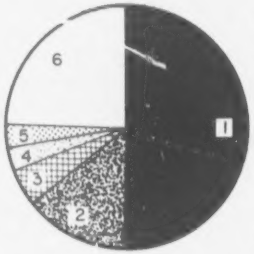
Cause of Death	Number of Deaths
1. Congenital Anomalies	103
2. Respiratory Distress Syndrome and Other Respiratory Conditions	79
3. Sudden Infant Death	42
4. Immaturity	39
5. Maternal Conditions and Birth Trauma	35
6. Other Causes	129
Total Deaths	427

1-4 YEARS



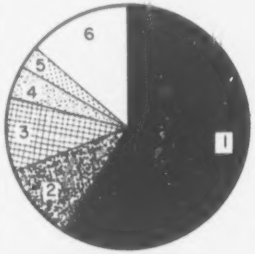
Cause of Death	Number of Deaths
1. Accidents	49
2. Congenital Anomalies	9
3. Pneumonia and Influenza	6
4. Cancer	5
5. Heart Disease	4
6. Other Causes	30
Total Deaths	103

5-14 YEARS



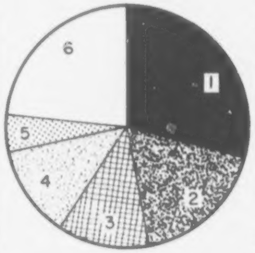
Cause of Death	Number of Deaths
1. Accidents	51
2. Cancer	14
3. Congenital Anomalies	5
4. Heart Disease	3
5. Homicide	3
6. Other Causes	25
Total Deaths	101

15-24 YEARS



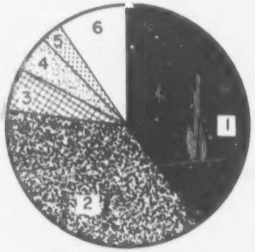
Cause of Death	Number of Deaths
1. Accidents	296
2. Suicide	53
3. Homicide	49
4. Cancer	20
5. Injury[2]	16
6. Other Causes	69
Total Deaths	503

25-44 YEARS



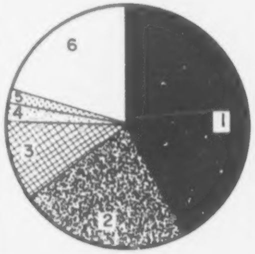
Cause of Death	Number of Deaths
1. Accidents	257
2. Cancer	159
3. Suicide	112
4. Heart Disease	110
5. Homicide	46
6. Other Causes	209
Total Deaths	893

45-64 YEARS



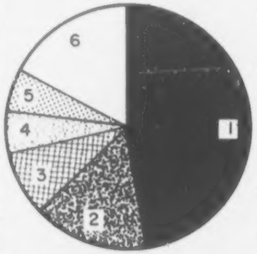
Cause of Death	Number of Deaths
1. Heart Disease	1,300
2. Cancer	1,221
3. Accidents	194
4. Cerebrovascular Disease	159
5. Chronic Liver Disease and Cirrhosis	97
6. Other Causes	781
Total Deaths	3,752

65-84 YEARS



Cause of Death	Number of Deaths
1. Heart Disease	4,333
2. Cancer	2,368
3. Cerebrovascular Disease	1,114
4. Pneumonia and Influenza	251
5. Diabetes Mellitus	203
6. Other Causes	2,077
Total Deaths	10,346

85 YEARS AND OVER



Cause of Death	Number of Deaths
1. Heart Disease	2,338
2. Cerebrovascular Disease	773
3. Cancer	424
4. Atherosclerosis	281
5. Pneumonia and Influenza	270
6. Other Causes	850
Total Deaths	4,936

Figure 18

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[1] One death by age group of decedent unknown

[2] Undetermined whether accidentally or purposely inflicted.

Residence data.

Table 11
Heart Disease Deaths by Age Group and Sex
Kansas, 1979

Cause of Death and Sex (ICD Code)	Total	Age Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Diseases of the Heart													
(390-398, 402, 404, 410-429)........	8,106	10	4	3	7	25	85	344	956	1,733	2,600	2,338	1
Male..............................	4,322	7	2	3	4	16	62	274	705	1,119	1,287	842	1
Female............................	3,784	3	2	-	3	9	23	70	251	614	1,313	1,496	-
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease													
(390-398).........................	67	-	-	-	-	1	1	2	13	23	16	11	-
Male..............................	23	-	-	-	-	-	-	-	7	9	5	2	-
Female............................	44	-	-	-	-	1	1	2	6	14	11	9	-
Hypertensive Heart Disease with or without Renal Disease													
(402, 404)........................	233	-	-	-	-	-	2	8	15	38	76	94	-
Male..............................	77	-	-	-	-	-	1	4	10	14	26	22	-
Female............................	156	-	-	-	-	-	1	4	5	24	50	72	-
Ischemic Heart Disease													
(410-414).........................	6,282	-	-	-	1	12	64	279	793	1,437	2,019	1,676	1
Male..............................	3,490	-	-	-	1	10	53	232	600	961	1,020	612	1
Female............................	2,792	-	-	-	-	2	11	47	193	476	999	1,064	-
Disease of Pulmonary Circulation													
(415-417).........................	160	2	-	-	-	5	4	10	20	36	50	33	-
Male..............................	84	1	-	-	-	2	1	6	8	25	26	15	-
Female............................	76	1	-	-	-	3	3	4	12	11	24	18	-
All Other Forms of Heart Disease													
(420-429).........................	1,364	8	4	3	6	7	14	45	115	199	439	524	-
Male..............................	648	6	2	3	3	4	7	32	80	110	210	191	-
Female............................	716	2	2	-	3	3	7	13	35	89	229	333	-

Residence data.

The most prevalent type of heart disease was ischemic heart disease which claimed 77.5 percent of all heart disease victims. In general, ischemic heart disease refers to an obstruction of the flow of blood from the arteries to the heart and resultant reduction of blood supply to the heart. Two forms, acute myocardial infarction and other forms of chronic ischemic heart disease, accounted for nearly all ischemic heart disease deaths, 3,676 and 2,574, respectively. Ischemic heart disease was most commonly fatal to persons over 64 years of age, especially those between 75 and 84. Fifty-three (53.3) percent of the total heart disease victims were males and 46.7 percent were females, but the sex distributions by age group showed wide variations. For the age groups between 35 and 74, 69.3 percent of the victims were males while for the age group 75 years and over, only 43.1 percent were males.

Cancer: The 4,212 deaths in 1979 which were caused by cancer, or malignant neoplasms contributed 20.0 percent of the total number of deaths and represented the second most prevalent cause of death in the State. Thirty (30.4) percent of the victims were between 65 and 74 years of age and the sex distribution was 55.2 percent males and 44.8 percent females. As depicted in Table 12, malignant neoplasms of the digestive organs and peritoneum accounted for over one-fourth (1,103) of all cancer victims. Cancer of the respiratory and intrathoracic organs claimed 1,062 victims, 76.7 percent of which were men.

Cerebrovascular Disease: Cerebrovascular deaths from acute but ill-defined causes, claimed 1,094 lives in 1979, making Cerebrovascular deaths the third leading cause of death for the year. The average age at death of persons dying from this degenerative illness was 79.5 years in 1979 (Table 13). Other categories of the disease include occlusion of cerebral arteries and transient cerebral ischemia, which caused 413 deaths; and subarachnoid and intracerebral hemorrhage and other and unspecified intracranial hemorrhage which accounted for 313. Overall the sex distribution of the victims was 40.1 percent males and 59.9 percent females.

Other Chronic Diseases: The seven chronic diseases listed in Table 14 and the 1,477 deaths from those diseases represented 7.0 percent of all deaths during 1979. Most victims of fatal chronic diseases were in the older age group; 60.3 percent were persons 75 years or older.

Atherosclerosis claimed 437 victims of the "other chronic disease" victims. Diabetes mellitus, another of the most prevalent chronic diseases claimed 354 lives. "Chronic liver disease and cirrhosis" and emphysema, two diseases commonly linked with alcohol and smoking habits, were more often fatal to men than to women. Almost three-fourths (72.3 percent) of the victims of these two diseases were males and 27.7 percent were females.

Accidental Deaths: Deaths attributable to accidents in 1979 totaled 1,142, 5.4 percent of all deaths, making accidents the fourth leading cause of death for the year. Types of accidents are outlined in Table 15 with the number of male and female victims and age groups.

Table 12
Malignant Neoplasm Deaths
By Site of Lesion, Age Group and Sex
Kansas, 1979

Site of Lesion and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Maligant Neoplasms (All Sites) (140-208)....	4,212	1	5	14	20	44	115	369	852	1,281	1,087	424
Male..................	2,324	1	3	9	13	26	52	184	491	748	599	198
Female................	1,888	-	2	5	7	18	63	185	361	533	488	226
Lip, Oral Cavity and Pharynx (140-149)...............	70	-	-	-	-	-	2	11	22	13	13	9
Male..................	51	-	-	-	-	-	2	7	16	12	9	5
Female................	19	-	-	-	-	-	-	4	6	1	4	4
Digestive Organs and Peritoneum (150-159)...............	1,103	1	-	-	-	4	31	75	183	328	344	137
Male..................	561	1	-	-	-	2	17	40	106	184	157	54
Female................	542	-	-	-	-	2	14	35	77	144	187	83
Respiratory and Intrathoracic Organs (160-165)...............	1,062	-	-	-	1	1	21	125	289	365	212	48
Male..................	815	-	-	-	-	1	13	81	228	289	173	30
Female................	247	-	-	-	1	-	8	44	61	76	39	18
Breast (174-175)...............	364	-	-	-	-	5	16	49	85	105	74	30
Male..................	1	-	-	-	-	-	-	-	-	1	-	-
Female................	363	-	-	-	-	5	16	49	85	104	74	30
Genital Organs (179-187)...............	520	-	-	-	2	8	14	27	72	153	155	89
Male..................	275	-	-	-	2	5	-	6	18	74	108	62
Female................	245	-	-	-	-	3	14	21	54	79	47	27
Urinary Organs (188-189)...............	226	-	-	1	2	-	4	8	46	72	66	27
Male..................	137	-	-	-	1	-	2	5	30	47	40	12
Female................	89	-	-	1	1	-	2	3	16	25	26	15
Other and Unspecified Sites (170-173, 190-199)......	455	-	4	4	8	15	16	48	97	112	109	42
Male..................	252	-	2	3	5	10	10	30	58	64	56	14
Female................	203	-	2	1	3	5	6	18	39	48	53	28
Leukemia (204-208)...............	190	-	1	5	4	4	5	12	18	58	57	26
Male..................	112	-	1	3	4	2	4	7	11	37	30	13
Female................	78	-	-	2	-	2	1	5	7	21	27	13
Other Lymphatic and Hematopoietic Tissue (200-203)...............	222	-	-	4	3	7	6	14	40	75	57	16
Male..................	120	-	-	3	1	6	4	8	24	40	26	8
Female................	102	-	-	1	2	1	2	6	16	35	31	8

Residence data.

Table 13
Cerebrovascular Disease Deaths by Age Group and Sex
Kansas, 1979

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (430-438)	2,070	4	-	1	5	4	10	46	113	347	767	773
Male	830	3	-	-	3	3	4	27	65	163	315	247
Female	1,240	1	-	1	2	1	6	19	48	184	452	526
Subarachnoid and Intracerebral Hemorrhage and Other and Unspecified Intracranial Hemorrhage (430-432)	313	4	-	-	5	3	10	25	44	78	93	51
Male	129	3	-	-	3	2	4	13	20	22	41	21
Female	184	1	-	-	2	1	6	12	24	56	52	30
Occlusion and Stenosis of Precerebral Arteries (433)	27	-	-	-	-	-	-	2	3	7	8	7
Male	16	-	-	-	-	-	-	2	3	5	5	1
Female	11	-	-	-	-	-	-	-	-	2	3	6
Occlusion of Cerebral Arteries and Transient Cerebral Ischemia (434-435)	413	-	-	-	-	-	-	6	20	55	171	161
Male	148	-	-	-	-	-	-	5	9	28	56	50
Female	265	-	-	-	-	-	-	1	11	27	115	111
Acute but Ill-defined Cerebrovascular Disease (436)	1,094	-	-	1	-	1	-	11	40	187	416	438
Male	446	-	-	-	-	1	-	6	31	97	176	135
Female	648	-	-	1	-	-	-	5	9	90	240	303
Other and Ill-defined Cerebrovascular Disease (437)	204	-	-	-	-	-	-	2	5	17	69	111
Male	83	-	-	-	-	-	-	1	2	9	32	39
Female	121	-	-	-	-	-	-	1	3	8	37	72
Late Effects of Cerebrovascular Disease (438)	19	-	-	-	-	-	-	-	1	3	10	5
Male	8	-	-	-	-	-	-	-	-	2	5	1
Female	11	-	-	-	-	-	-	-	1	1	5	4

Residence data.

Table 14
Selected Chronic Disease Deaths by Age Group and Sex
Kansas, 1979

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total..............	1,477	3	-	1	6	11	30	72	172	292	410	480
Male............	728	1	-	-	4	4	25	41	102	174	214	163
Female..........	749	2	-	1	2	7	5	31	70	118	196	317
Diabetes Mellitus (250).................	354	-	-	-	2	7	6	20	51	97	106	65
Male................	153	-	-	-	2	2	5	9	22	47	50	16
Female..............	201	-	-	-	-	5	1	11	29	50	56	49
Hypertension without mention of Heart Disease (401, 403)............	79	-	-	-	-	-	3	2	4	13	23	34
Male................	39	-	-	-	-	-	3	1	2	7	11	15
Female..............	40	-	-	-	-	-	-	1	2	6	12	19
Atherosclerosis (440).................	437	-	-	-	-	1	-	-	6	32	117	281
Male................	171	-	-	-	-	1	-	-	4	16	57	93
Female..............	266	-	-	-	-	-	-	-	2	16	60	188
Emphysema (492).................	140	-	-	-	-	-	1	4	25	53	40	17
Male................	108	-	-	-	-	-	1	4	18	40	33	12
Female..............	32	-	-	-	-	-	-	-	7	13	7	5
Ulcer of Stomach and Duodenum (531-533)............	77	-	-	-	-	-	-	5	8	13	26	25
Male...............	31	-	-	-	-	-	-	2	5	7	12	5
Female.............	46	-	-	-	-	-	-	3	3	6	14	20
Chronic Liver Disease and Cirrhosis (571).................	189	-	-	1	1	1	19	38	59	47	18	5
Male................	130	-	-	-	1	1	16	23	40	36	12	1
Female..............	59	-	-	1	-	-	3	15	19	11	6	4
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)............	201	3	-	-	3	2	1	3	19	37	80	53
Male................	96	1	-	-	1	-	-	2	11	21	39	21
Female..............	105	2	-	-	2	2	1	1	8	16	41	32

Residence data.

Table 15
Accidental Deaths by Age Group and Sex
Kansas, 1979

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
All Accidents (E800-E949)...........	1,142	7	49	51	296	163	94	90	104	88	114	86
Male...............	799	4	24	35	229	145	77	58	76	57	66	28
Female.............	343	3	25	16	67	18	17	32	28	31	48	58
All Motor-Vehicle Accidents (E810-E825).............	585	-	13	29	221	102	52	53	49	36	28	2
Male..................	425	-	5	18	169	91	40	32	30	22	17	1
Female................	160	-	8	11	52	11	12	21	19	14	11	1
Water Transport Accidents (E830-E838).............	20	-	-	1	7	3	3	2	2	2	-	-
Male..................	20	-	-	1	7	3	3	2	2	2	-	-
Female................	-	-	-	-	-	-	-	-	-	-	-	-
Air and Space Transport Accidents (E840-E845)....	17	-	-	2	2	6	2	4	1	-	-	-
Male..................	15	-	-	2	2	5	2	3	1	-	-	-
Female................	2	-	-	-	-	1	-	1	-	-	-	-
Accidental Poisonings (E850-E869).............	50	-	5	1	16	6	6	6	2	3	3	2
Male..................	35	-	2	1	13	5	5	4	2	1	1	1
Female................	15	-	3	-	3	1	1	2	-	2	2	1
Accidental Falls (E880-E888).............	154	1	2	-	4	2	2	5	8	20	49	61
Male..................	78	1	1	-	3	2	2	5	7	11	25	21
Female................	76	-	1	-	1	-	-	-	1	9	24	40
Accidents Caused by Fires and Flames (E890-E899)...	67	2	12	3	8	12	4	5	10	3	5	3
Male..................	43	-	6	3	4	11	3	3	8	3	2	-
Female................	24	2	6	-	4	1	1	2	2	-	3	3
Accidents Due to Natural and Environmental Factors (E900-E909).............	19	-	-	1	3	-	1	1	1	6	3	3
Male..................	11	-	-	1	1	-	1	-	-	4	3	1
Female................	8	-	-	-	2	-	-	1	1	2	-	2
Accidental Drowning and Submersion (E910)........	34	-	6	3	9	8	2	1	1	1	2	1
Male..................	25	-	4	1	8	7	2	-	1	-	2	-
Female................	9	-	2	2	1	1	-	1	-	1	-	1
Inhalation and Ingestion of Food Causing Obstruction or Suffocation (E911)....	21	1	3	-	-	1	1	1	5	3	1	5
Male..................	7	-	2	-	-	1	-	-	1	1	1	1
Female................	14	1	1	-	-	-	1	1	4	2	-	4

Table 15 (cont.)
Accidental Deaths by Age Group and Sex
Kansas, 1979

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Accidents Caused by Machinery (E919).................	31	-	-	-	4	3	7	5	10	2	-	-
Male.................	31	-	-	-	4	3	7	5	10	2	-	-
Female...............	-	-	-	-	-	-	-	-	-	-	-	-
Accident Caused by Electric Current (E925)..........	22	1	1	2	7	7	2	1	1	-	-	-
Male.................	22	1	1	2	7	7	2	1	1	-	-	-
Female...............	-	-	-	-	-	-	-	-	-	-	-	-
Other Accidents (E800-E807, E826-E829, E846-E848, E870-E879, E912-E918, E920-E924, E926-E949)............	122	2	7	9	15	13	12	6	14	12	23	9
Male.................	87	2	3	6	11	10	10	3	13	11	15	3
Female...............	35	-	4	3	4	3	2	3	1	1	8	6

Residence data.

Comparing the number of male and female accident victims in 1979, over two-thirds, 70.0 percent, were males and they outnumbered females in all age groups except those in the 1-4 and 85 and over categories. The average age at death for accident victims was 42.5 years. Furthermore, the average age of men dying from accidental causes was 39.1, over eleven years younger than that of female victims, whose average age was 50.5 years.

Motor-vehicle accidents, the most prevalent type of fatal accident, accounted for over half (51.2 percent) of the total in 1979. Of the 585 motor-vehicle fatalities, 28.8 percent were to males in the 15-24 year age group.

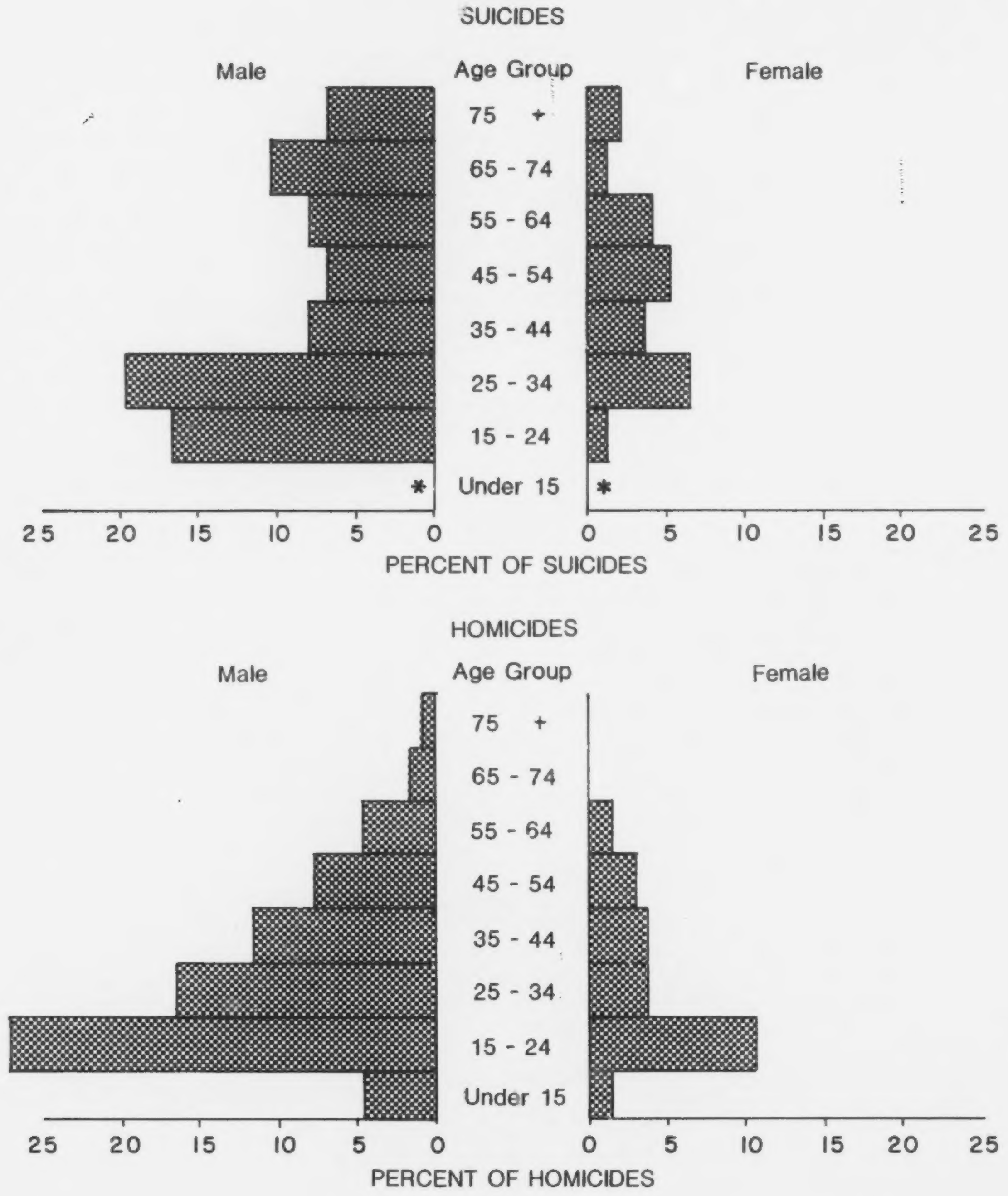
Accidental falls claimed 154 lives, which represented 13.5 percent of all accidental deaths in 1979. Nearly three-fourths (71.4 percent) of the victims were 75 years of age or older. Over half (55.0 percent) of the persons 75 years of age or older who died as a result of an accident were fall victims.

Suicide and Homicide: Suicide and homicide ranked eighth and fifteenth, respectively, among the leading causes of death in 1979. The average age at death from suicidal causes was 44.2 years; that of homicide was 30.8, clearly emphasizing the early age of persons dying from these unnatural causes. The Kansas suicide rate was 12.5 in 1979, 6.8 percent higher than the estimated 1979 national rate of 11.7. The distribution of suicide and homicide deaths in Figure 19 compares the age group and sex of victims.

Over three-fourths (75.6 percent) of the 295 suicide victims in 1979 were males. Male victims between 25-34 years of age accounted for 19.7 percent of all suicide deaths while men between 15-24 ranked second with 16.6 percent. The most prevalent age group for female suicide victims was the 25-34 age group, which accounted for 6.8 percent of all suicide deaths. The average age of male suicide victims was 43.5, while the average age of female victims was 46.2 years.

Figure 19 also illustrates the predominance of male homicide victims over female victims; three-fourths (75.0 percent) of the 128 homicide victims in 1979 were male. Twenty-seven (27.3) percent of the homicide deaths were men in the 15 to 24 age group followed by 16.4 percent in the 25-34 age group. More female homicide victims (10.9 percent) were in the 15-24 age group than any other. The average age of male homicide victims in 1979 was 31.2 years; that of female victims was 28.9 years. The 1979 homicide and legal intervention rate for Kansas was 5.5, and was 45.0 percent lower than the estimated United States rate of 10.0.

SUICIDES AND HOMICIDES
PERCENT DISTRIBUTION BY AGE GROUP AND SEX
KANSAS, 1979

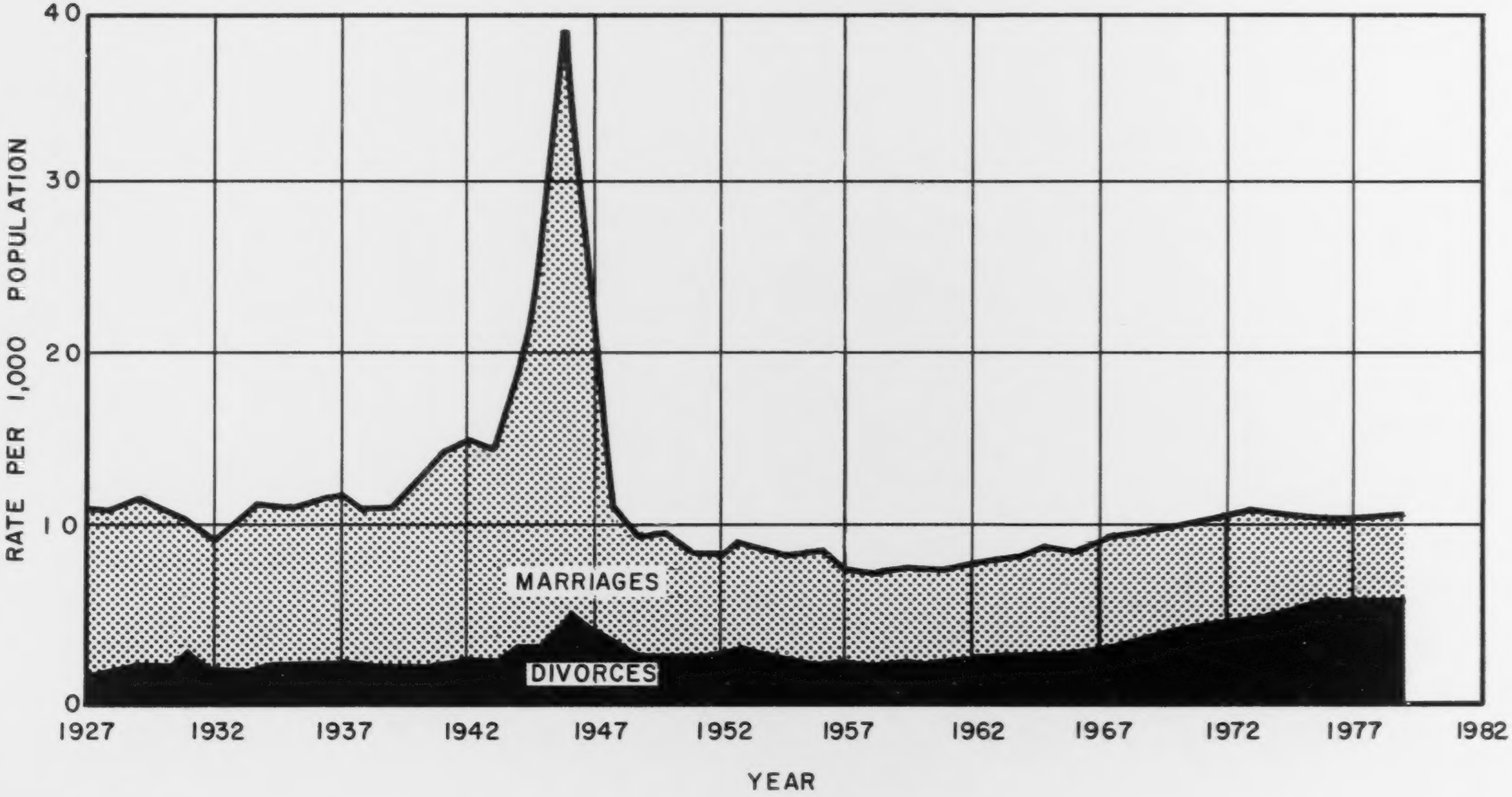


*No suicide deaths occurred for males or females under 15.
Residence data.

Figure 19

MARRIAGES

MARRIAGE AND DIVORCE RATES
KANSAS, 1927-1979



Occurrence data.

Figure 20

MARRIAGES

In 1979, there were 24,774 marriages performed in Kansas, an increase of 3.3 percent over the 1978 total of 23,975. Nineteen percent of the persons who exchanged vows in Kansas in 1979 were residents of other states, while 81.0 percent were Kansas residents. However, the data presented in this summary refer to all marriages which occurred in the State. (The number of marriages performed in each county and corresponding marriage rates appear in Appendix Table 33.)

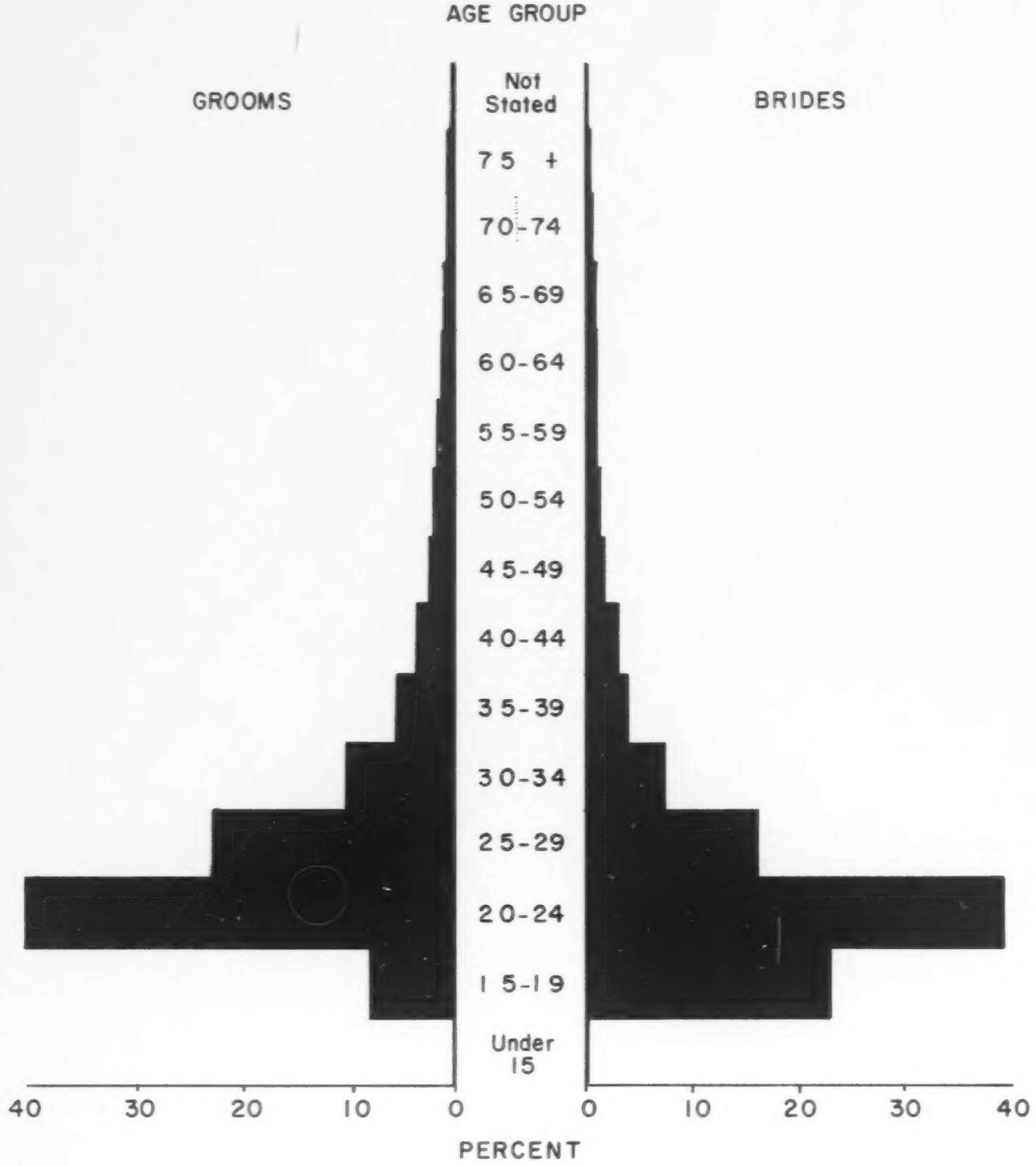
Trends

Following World War II, marriage rates in Kansas reached a record high of 38.8 per thousand population in 1946, as outlined in Figure 20. After falling sharply in the late Forties and during the Korean War in the early 1950's, the rates dipped slightly between 1955 and 1960. In 1961, when the rate was 7.6 per 1,000 population, marriage rates in Kansas began to rise again. Upon reaching 10.0 in 1970, the rates stabilized between 10.0 and 10.7 from 1970 to 1979. In 1979 the Kansas marriage rate was 10.5, identical to the estimated national rate.

Nuptial Age

As illustrated in Figure 21, the highest percentage of those who married in 1979 were between 20 and 24 years of age. Forty (39.6) percent of the brides and 40.1 percent of the grooms were in that age group. The average age of all brides in 1979 was 26.1; that of grooms was 28.8. Women marrying for the first time averaged 21.5 years of age while first-time grooms averaged 23.9 years. Of those persons who remarried during 1979, women were, on the average, 34.5 years old and men were 37.7 years of age. The number of brides and grooms by age group in 1979 are shown in Table 16. The most common age combination was 19-year-old brides and 20-year-old grooms.

MARRIAGES: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1979



Occurrence data.

Figure 21

Table 16
Marriages by Age Group of Groom, by Age Group of Bride
Kansas, 1979

Age Group of Groom	Total	Age Group of Bride														
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.......	24,774	9	5,641	9,819	4,073	1,924	1,045	684	433	342	226	194	187	116	61	20
Under 15....	4	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-
15-19.......	2,082	2	1,621	415	38	4	1	-	-	-	-	-	-	-	-	1
20-24.......	9,926	7	3,315	5,685	713	148	37	6	3	3	-	-	-	-	-	9
25-29.......	5,641	-	546	2,780	1,796	396	90	17	9	4	-	1	-	-	-	2
30-34.......	2,634	-	105	659	948	631	218	53	14	4	-	-	1	-	-	1
35-39.......	1,392	-	21	170	369	417	271	111	20	9	1	1	-	-	-	2
40-44.......	878	-	13	66	135	176	218	196	53	13	2	3	2	1	-	-
45-49.......	642	-	8	19	45	86	133	159	115	55	17	4	1	-	-	-
50-54.......	453	-	2	8	15	41	55	79	102	100	32	11	3	4	1	-
55-59.......	366	-	-	6	7	18	10	40	74	83	75	36	12	5	-	-
60-64.......	243	-	3	4	3	5	9	13	20	38	49	64	25	6	4	-
65-69.......	187	-	-	-	-	-	-	8	10	20	28	41	53	22	4	1
70-74.......	149	-	-	-	-	-	1	1	11	8	16	23	48	33	8	-
75 & Over...	157	-	-	-	-	-	1	1	2	5	6	10	42	45	44	1
Not Stated..	20	-	5	6	3	2	1	-	-	-	-	-	-	-	-	3

Occurrence data.

Premarital Status

Marriages where neither party had been previously married accounted for 13,448, or 54.3 percent of all marriages. Most of those remarrying, 87.6 percent, had been divorced, 11.1 percent were widowed and 1.3 percent had obtained annulments. Shown in Table 17 are the number of brides and grooms in 1979 by their premarital status.

Table 17
Marriages by Premarital Status of Bride and Groom
Kansas, 1979

Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Divorced	Annulment	Widowed	Not Stated
Total	24,774	16,020	7,564	110	1,029	51
Never Married...	15,947	13,448	2,330	44	104	21
Divorced........	7,746	2,441	4,836	46	410	13
Annulment	111	38	51	13	8	1
Widowed........	913	70	330	6	506	1
Not Stated	57	23	17	1	1	15

Seasonality

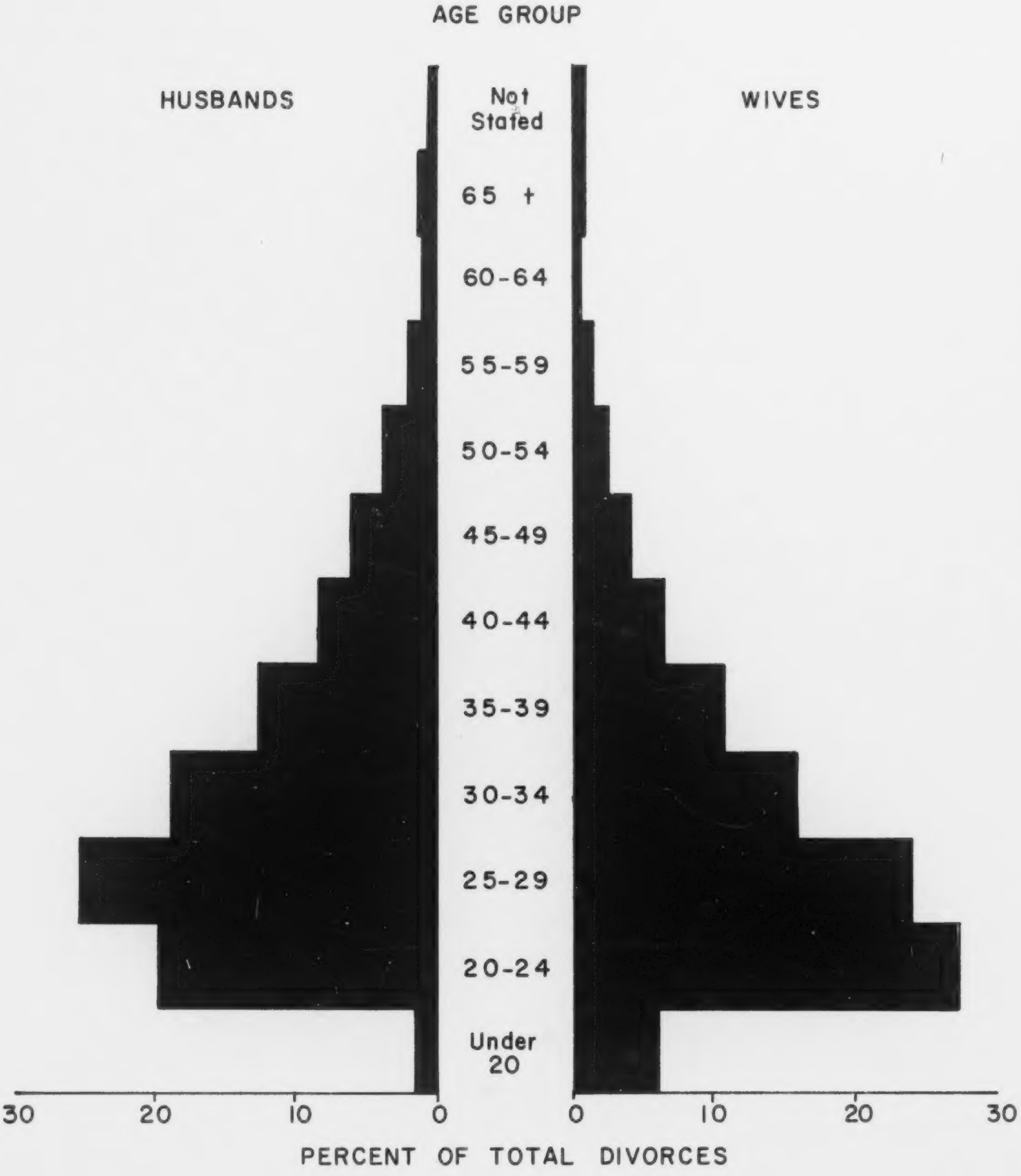
June, traditionally the most popular month for marriage, accounted for the largest percentage (13.4) of the marriages performed in Kansas in 1979. August and September were the second and third most popular months and accounted for 11.4 percent and 9.1 percent, respectively. The distribution of marriages by month of ceremony is presented below.

Marriages: Number and Percent by Month

	Number	Percent
Total......	24,774	100.0
January.....	1,281	5.2
February....	1,335	5.4
March	1,638	6.6
April	1,771	7.2
May	2,255	9.1
June........	3,317	13.4
July	2,176	8.8
August......	2,833	11.4
September ..	2,265	9.1
October.....	1,762	7.1
November...	1,983	8.0
December...	2,158	8.7

DIVORCES AND ANNULMENTS

DIVORCES: PERCENT DISTRIBUTION BY AGE GROUP
KANSAS, 1979



Occurrence data.

Figure 22

DIVORCES AND ANNULMENTS

There were 12,749 marriage dissolutions in Kansas in 1979, an increase of 0.6 percent over the 12,668 granted in 1978. The number of divorces increased from 12,413 in 1978 to 12,526 in 1979, while the number of annulments decreased from 255 to 223.

Whereas a divorce is the dissolution of a legally binding marriage contract, an annulment voids the marriage contract of an invalid marriage. It is therefore as expected that annulments represent a minor portion of all marriage dissolutions in Kansas (1.7 percent in 1979). In many cases annulments have been grouped with divorces for purposes of presentation in this summary. (The total divorces and annulments in each county from 1975 through 1979 are shown by number and rate in Appendix Table 34.)

Trends

Prior to and during World War II the divorce rates remained relatively stable, as shown in Figure 20. In 1946, however, the divorce rate reached a peak of 5.0 per 1,000 population. Following this increase the divorce rates stabilized along the average annual rate of 2.5 per 1,000 population from 1949 to 1966. Since that time, the divorce rate has generally increased, reaching a high of 5.4 in 1976. In 1979 the Kansas divorce rate was 5.3. The Kansas divorce and annulment rate in 1979 was 5.4, 1.9 percent higher than the estimated national rate of 5.3.

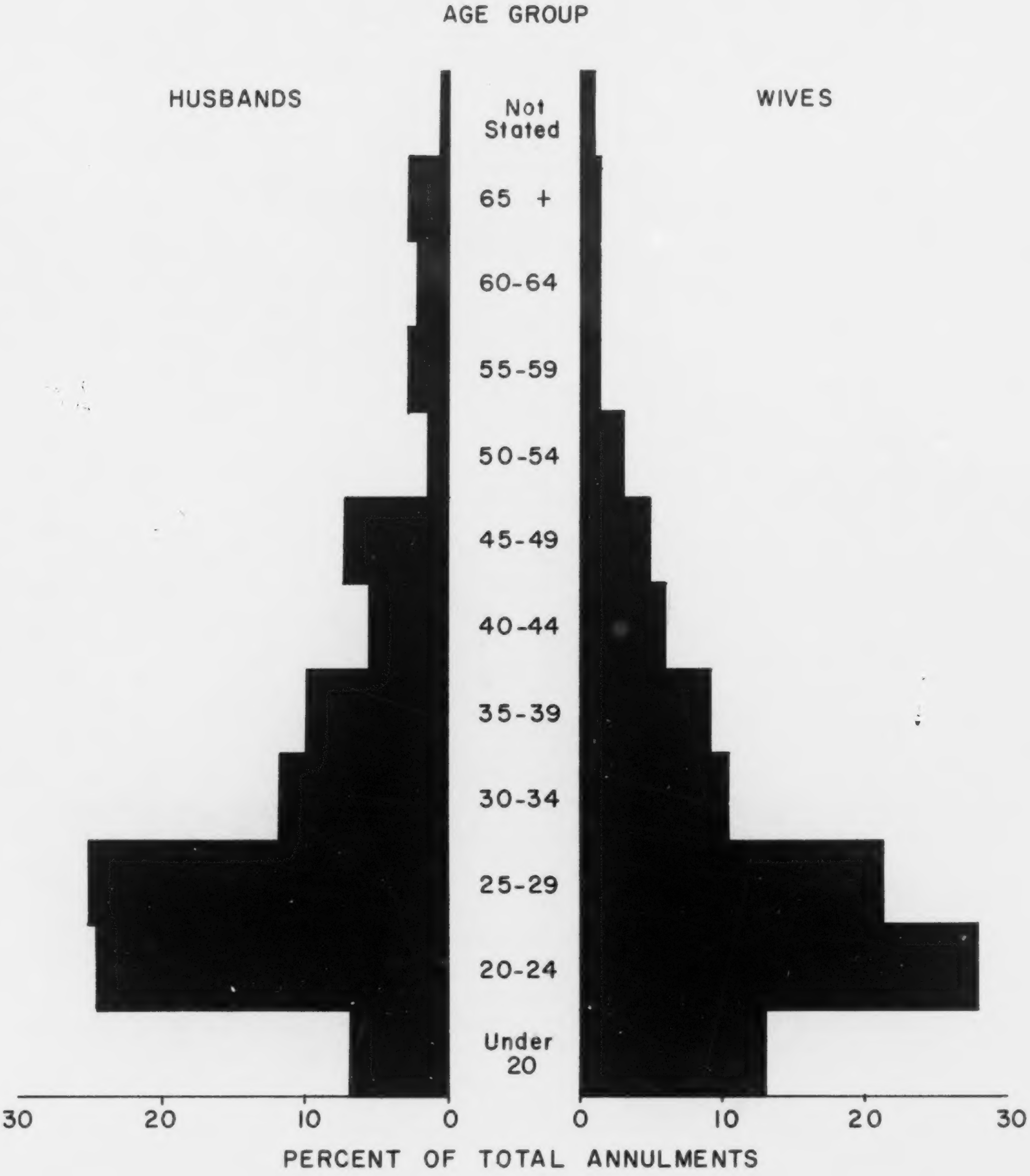
The number of annulments increased from 65 in 1952 to 223 in 1979. The annulment rate per thousand population fluctuated very little, remaining between 0.03 and 0.12 during that time period.

Ages of Spouses

As shown in Figure 22, the most common age groups involved in divorces were those from 20 to 24 and 25 to 29, with the incidence decreasing with the older age groups. For wives, the most prevalent age group was 20-24 years of age, which accounted for 27.2 percent of all newly divorced women; whereas for men the 25-29 year age group was the most prevelant and accounted for 25.3 percent of all newly divorced men. The average age of wives who were divorced was 30.4; that of husbands was 32.9.

The ages between 20 and 24 and 25-29 were also the most prevelant ages during which annulments were granted to husbands and wives in 1979. The average age of wives of annulled marriages was 29.8; while that of husbands was 32.0. Illustrated in Figure 23, is the percent distribution of annulments by husbands' and wives' ages.

ANNULMENTS: PERCENT DISTRIBUTION BY AGE GROUP
KANSAS, 1979



Occurrence data.

Figure 23

Duration of Marriage

Over half, 56.9 percent, of the marriages dissolved in 1979 were terminated before the sixth year of marriage as outlined in Table 18. Marriages ending in divorce lasted an average of 7.6 years. Couples who received annulments had been married an average of 1.7 years.

Table 18
Divorces and Annulments
By Duration of Marriage in Years
Kansas, 1979

Duration of Marriage	Total Divorces and Annulments	Divorces	Annulments
Total...........	12,749	12,526	223
Under 1 year......	1,066	940	126
1 year...........	1,548	1,504	44
2 years..........	1,447	1,423	24
3 years..........	1,271	1,261	10
4 years..........	1,031	1,027	4
5 years..........	896	889	7
6 years..........	729	727	2
7 years..........	635	634	1
8 years..........	505	505	-
9 years..........	456	456	-
10 years..........	397	395	2
11 years..........	292	292	-
12 years..........	273	273	-
13 years..........	219	219	-
14 years..........	179	179	-
15 years..........	186	186	-
16 years..........	166	166	-
17 years..........	145	144	1
18 years..........	131	131	-
19 years..........	125	125	-
20-24 years.......	503	502	1
25-29 years.......	274	273	1
30-34 years.......	153	153	-
35-39 years.......	66	66	-
40 years & over....	37	37	-
Not Stated........	19	19	-

Occurrence data.

Number of Minor Children

As shown in Table 19, 12,518 minor children were involved in the 12,749 divorces and annulments in 1979. At least one minor child was reported in over half, 56.8 percent, of the marriages ending in divorce. Six percent (6.3) of the annulments involved minor children.

Table 19
Divorces and Annulments by Number and Percent
By Number of Minor Children
Kansas, 1979

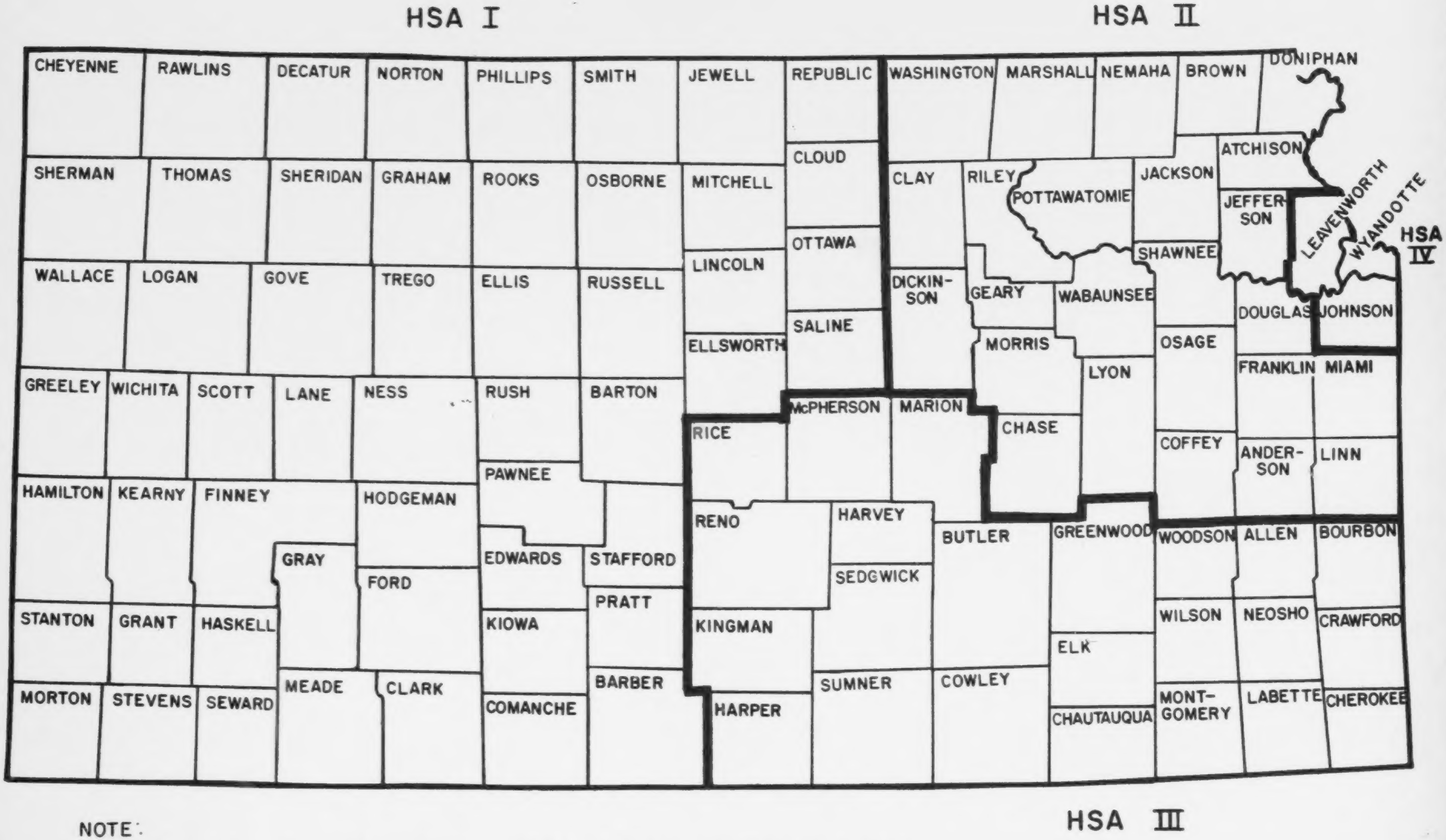
Number of Minor Children Reported	Divorces		Annulments		Total Children
	Number	Percent	Number	Percent	Number*
Total	12,526	100.0	223	100.0	12,518
None	5,123	40.9	202	90.6	-
1...............	3,357	26.8	6	2.7	3,363
2...............	2,563	20.5	4	1.8	5,134
3...............	868	6.9	3	1.3	2,613
4 or More	323	2.6	1	0.5	1,408
Not Stated	292	2.3	7	3.1	n/a

Occurrence data.

*This represents the number of children reported in marriages ending in divorce or annulment.

APPENDIX

HEALTH SERVICE AREAS*
KANSAS


HSA I
HSA II
HSA III
HSA IV
CHEYENNE
RAWLINS
DECATUR
NORTON
PHILLIPS
SMITH
JEWELL
REPUBLIC
WASHINGTON
MARSHALL
NEMAHA
BROWN
DONIPHAN
SHERMAN
THOMAS
SHERIDAN
GRAHAM
ROOKS
OSBORNE
MITCHELL
CLOUD
CLAY
RILEY
POTTAWATOMIE
JACKSON
ATCHISON
JEFFERSON
LEAVENWORTH
WYANDOTTE
WALLACE
LOGAN
GOVE
TREGO
ELLIS
RUSSELL
LINCOLN
OTTAWA
DICKINSON
GEARY
WABAUNSEE
SHAWNEE
DOUGLAS
JOHNSON
ELLSWORTH
SALINE
MORRIS
LYON
OSAGE
FRANKLIN
MIAMI
GREELEY
WICHITA
SCOTT
LANE
NESS
RUSH
BARTON
RICE
McPHERSON
MARION
CHASE
COFFEY
ANDERSON
LINN
PAWNEE
HAMILTON
KEARNY
FINNEY
HODGEMAN
RENO
HARVEY
BUTLER
GREENWOOD
WOODSON
ALLEN
BOURBON
GRAY
FORD
EDWARDS
STAFFORD
SEDGWICK
PRATT
STANTON
GRANT
HASKELL
KIOWA
KINGMAN
WILSON
NEOSHO
CRAWFORD
ELK
MORTON
STEVENS
SEWARD
MEADE
CLARK
COMANCHE
BARBER
HARPER
SUMNER
COWLEY
CHAUTAUQUA
MONTGOMERY
LABETTE
CHEROKEE

NOTE:

HSA IV includes Cass, Clay, Jackson, Platte and Ray counties in Missouri.

*Current Health Service Area alignment was effective April 11, 1977.

Figure 24

Table 20
Vital Statistics by Health Service Area
Kansas, 1979

Vital Statistic	Kansas	HSA I	HSA II	HSA III	HSA IV
Population..............	2,362,075	436,691	604,097	828,366	492,921
Population Density......	28.9	9.5	37.5	44.8	450.6
Live Births.............	38,916	7,023	10,031	13,939	7,923
Birth Rate............	16.5	16.1	16.6	16.8	16.1
Premature Births........	2,476	414	579	931	552
Premature Birth Ratio.	6.4	5.9	5.8	6.7	7.0
Out-of-Wedlock Births...	4,593	520	1,014	1,744	1,315
Out-of-Wedlock Birth Ratio...............	11.8	7.4	10.1	12.5	16.6
Induced Abortions.......	7,281	677	1,956	2,388	2,260
Abortion Ratio........	187.1	96.4	195.0	171.3	285.2
Fetal Deaths............	330	57	94	113	66
Fetal Death Rate......	8.4	8.1	9.3	8.0	8.3
Hebdomadal Deaths.......	260	30	67	96	67
Perinatal Deaths........	590	87	161	209	133
Infant Deaths...........	427	54	107	160	106
Maternal Deaths.........	3	1	-	1	1
Deaths (Total)..........	21,062	4,066	5,192	8,269	3,535
Death Rate...........	8.9	9.3	8.6	10.0	7.2
Marriages...............	24,774	4,515	6,246	9,281	4,732
Marriage Rate.........	10.5	10.3	10.3	11.2	9.6
Divorces and Annulments.	12,749	1,914	2,916	5,644	2,275
Divorce and Annulment Rate................	5.4	4.4	4.8	6.8	4.6

Residence data are presented for births, deaths and abortions.
Occurrence data are presented for marriages, divorces and annulments.

Table 21
Selected Causes of Death by Health Service Area
Kansas, 1979

Cause of Death (ICD Code)	Kansas		HSA I		HSA II		HSA III		HSA IV	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Causes........................	21,062	891.7	4,066	931.1	5,192	859.5	8,269	998.2	3,535	717.2
Tuberculosis, all forms (010-018)........................	14	0.6	1	0.2	6	1.0	4	0.5	3	0.6
Septicemia (038)...........................	73	3.1	11	2.5	24	4.0	26	3.1	12	2.4
Malignant Neoplasms (140-208).......................	4,212	178.3	777	177.9	974	161.2	1,655	199.8	806	163.5
Diabetes Mellitus (250)...........................	354	15.0	79	18.1	82	13.6	135	16.3	58	11.8
Heart Disease (390-398, 402, 404, 410-429).....	8,106	343.2	1,634	374.2	2,026	335.4	3,217	388.4	1,229	249.3
Hypertension (401, 403)......................	79	3.3	19	4.4	14	2.3	32	3.9	14	2.8
Cerebrovasular Disease (430-438).......................	2,070	87.6	408	93.4	555	91.9	835	100.8	272	55.2
Atherosclerosis (440)...........................	437	18.5	85	19.5	132	21.9	169	20.4	51	10.3
Pneumonia and Influenza (480-487).......................	593	25.1	128	29.3	171	28.3	217	26.2	77	15.6
Bronchitis, Emphysema and Asthma (490-493).......................	214	9.1	40	9.2	50	8.3	93	11.2	31	6.3
Ulcer of Stomach and Duodenum (531-533).......................	77	3.3	17	3.9	17	2.8	28	3.4	15	3.0
Chronic Liver Disease and Cirrhosis (571)...........................	189	8.0	39	8.9	35	5.8	74	8.9	41	8.3
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).............	201	8.5	47	10.8	59	9.8	57	6.9	38	7.7
Infections of Kidney (590)...........................	52	2.2	7	1.6	15	2.5	24	2.9	6	1.2
Congenital Anomalies (740-759).......................	147	6.2	23	5.3	35	5.8	59	7.1	30	6.1
Certain Conditions Originating in the Perinatal Period (760-779).......................	207	8.8	23	5.3	59	9.8	69	8.3	56	11.4
Motor-Vehicle Accidents (E810-E825)......................	585	24.8	127	29.1	140	23.2	213	25.7	105	21.3
Nonmotor-Vehicle Accidents (E800-E807, E826-E949)...........	557	23.5	99	22.7	145	24.0	235	28.4	78	15.8
Suicide (E950-E959).....................	295	12.5	52	11.9	73	12.1	103	12.4	67	13.6
Homicide (E960-E969).....................	128	5.4	8	1.8	24	4.0	54	6.5	42	8.5
All Other Causes (residual)......................	2,472	104.7	442	101.2	556	92.0	970	117.1	504	102.2

Residence data.

Table 22
Population by County
Kansas, 1975-1979

County of Residence	Year				
	1975	1976	1977	1978	1979
Kansas	2,314,479	2,327,471	2,341,261	2,359,262	2,362,075
Allen	15,455	15,822	15,668	16,019	16,104
Anderson	8,539	8,414	8,314	8,332	8,597
Atchison	21,288	20,752	21,494	20,562	17,686
Barber	6,880	6,882	6,659	6,614	6,515
Barton	36,102	36,289	37,090	37,881	31,934
Bourbon	15,740	15,847	16,750	16,613	16,003
Brown	13,061	12,994	12,956	12,658	11,699
Butler	39,522	40,909	42,140	44,211	43,687
Chase	3,554	3,525	3,406	3,343	3,511
Chautauqua	5,051	5,050	5,046	5,056	4,649
Cherokee	22,532	23,073	22,507	23,789	21,628
Cheyenne	4,005	4,097	4,016	3,976	3,928
Clark	2,833	2,859	2,757	2,716	2,858
Clay	10,139	10,134	10,035	10,015	10,134
Cloud	14,072	14,090	14,076	13,850	12,738
Coffey	8,282	7,875	8,016	8,094	8,743
Comanche	2,839	2,796	2,854	2,685	2,756
Cowley	34,800	35,125	35,381	35,304	35,010
Crawford	38,127	37,991	37,934	38,233	37,373
Decatur	5,036	5,006	4,933	4,880	5,072
Dickinson	21,927	22,134	22,570	22,687	20,993
Doniphan	10,094	10,030	10,015	9,728	9,016
Douglas	63,833	60,592	62,842	65,852	67,715
Edwards	4,507	4,612	4,456	4,385	4,564
Elk	4,042	4,055	4,004	4,011	3,968
Ellis	24,293	24,480	25,108	25,528	27,258
Ellsworth	7,232	7,171	7,288	7,104	6,334
Finney	23,323	25,190	26,195	28,757	24,635
Ford	24,495	24,667	25,009	25,015	24,199
Franklin	20,591	20,798	21,280	21,399	20,960
Geary	24,474	25,058	23,415	23,275	29,368
Gove	4,000	3,981	3,985	3,922	3,970
Graham	4,630	4,582	4,498	4,488	4,246
Grant	7,055	7,198	7,342	7,253	7,582
Gray	4,943	5,162	5,231	5,165	5,445
Greeley	2,210	2,272	2,198	2,091	1,886
Greenwood	9,154	9,114	9,091	8,916	9,402
Hamilton	3,076	3,124	3,139	3,075	2,987
Harper	8,140	8,014	8,029	8,021	7,930
Harvey	28,934	29,154	28,890	28,748	29,981
Haskell	4,096	4,183	4,193	4,117	4,245
Hodgeman	2,744	2,696	2,650	2,578	2,555
Jackson	11,288	11,478	11,651	11,609	12,317
Jefferson	12,816	13,276	13,943	14,119	14,711
Jewell	6,006	5,919	5,859	5,794	5,735
Johnson	241,781	243,938	250,947	256,259	267,254
Kearny	3,307	3,336	3,3[illegible]	3,455	3,809
Kingman	10,043	10,054	10,070	9,758	8,998
Kiowa	4,030	4,161	4,256	4,161	4,170
Labette	25,274	24,556	25,092	24,985	25,543
Lane	2,842	2,835	2,857	2,790	2,687
Leavenworth	50,702	51,267	51,765	52,354	55,221
Lincoln	4,793	4,796	4,749	4,629	4,556
Linn	8,364	8,262	8,300	8,515	8,864
Logan	3,806	3,899	3,778	3,656	3,670

Table 22 (cont.)
Population by County
Kansas, 1975-1979

County of Residence	Year				
	1975	1976	1977	1978	1979
Lyon	31,133	32,841	34,277	36,192	34,535
Marion	16,209	16,139	16,518	16,219	13,289
Marshall	13,919	13,936	13,568	13,427	13,674
McPherson	25,167	25,458	25,783	26,045	26,243
Meade	5,058	5,070	5,088	5,023	5,187
Miami	20,906	20,562	21,234	21,934	22,371
Mitchell	8,115	8,100	8,046	8,122	8,121
Montgomery	42,741	43,010	43,493	43,948	40,538
Morris	6,835	6,958	6,885	6,773	6,935
Morton	3,495	3,510	3,492	3,464	3,641
Nemaha	12,104	12,112	12,082	12,001	11,456
Neosho	17,782	17,726	17,862	18,245	18,770
Ness	4,653	4,541	4,799	4,689	4,735
Norton	7,213	7,099	7,097	7,273	6,602
Osage	13,368	13,614	13,798	14,261	14,698
Osborne	6,371	6,351	6,323	6,239	6,349
Ottawa	6,419	6,387	6,373	6,330	6,416
Pawnee	8,068	8,026	7,970	7,825	8,492
Phillips	8,287	8,260	8,330	8,009	7,802
Pottawatomie	13,035	13,439	13,693	14,376	14,284
Pratt	9,148	9,722	9,792	9,752	10,216
Rawlins	4,301	4,321	4,257	4,166	4,278
Reno	64,900	65,276	65,092	65,548	64,181
Republic	8,272	8,350	8,267	8,165	7,531
Rice	11,681	11,700	12,006	11,940	12,380
Riley	41,029	41,799	41,983	41,827	67,463
Rooks	7,313	7,471	7,281	7,398	7,321
Rush	5,299	5,227	5,115	4,957	4,861
Russell	9,707	9,661	9,484	9,404	9,097
Saline	47,596	49,948	48,473	47,318	50,789
Scott	6,453	6,725	6,933	6,624	6,234
Sedgwick	339,223	342,403	341,660	341,881	352,081
Seward	16,644	16,683	17,094	17,332	17,223
Shawnee	173,418	174,819	177,960	180,034	158,229
Sheridan	3,856	3,735	3,820	3,843	3,995
Sherman	8,424	8,473	8,518	8,130	8,135
Smith	6,588	6,500	6,529	6,431	6,439
Stafford	6,207	6,204	6,140	6,185	6,393
Stanton	2,523	2,646	2,740	2,495	2,738
Stevens	4,865	4,511	4,754	4,728	4,987
Sumner	24,166	23,975	24,166	24,371	24,396
Thomas	7,826	8,123	8,335	8,225	8,742
Trego	4,564	4,496	4,543	4,433	4,531
Wabaunsee	6,746	6,711	6,816	6,771	7,093
Wallace	2,228	2,246	2,269	2,232	2,142
Washington	9,319	9,131	9,065	9,056	9,045
Wichita	3,697	3,641	3,471	3,369	3,360
Wilson	14,217	12,992	12,380	13,205	12,058
Woodson	4,796	4,709	4,700	4,713	4,154
Wyandotte	187,833	186,560	180,781	181,304	170,446

Sources: Bureau of Registration and Health Statistics (1979)
Kansas Board of Agriculture/County Appraisers (1975-1978)

Table 23
Live Births by Number and Rate
By County of Residence
Kansas, 1975-1979

County of Residence	1975		1976		1977		1978		1979	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas.........	33,707	14.6	35,278	15.2	36,827	15.7	36,581	15.5	38,916	16.5
Allen..........	206	13.3	203	12.8	265	16.9	228	14.2	256	15.9
Anderson.......	113	13.2	113	13.4	118	14.2	133	16.0	110	12.8
Atchison.......	293	13.8	277	13.3	275	12.8	287	14.0	275	15.5
Barber.........	91	13.2	87	12.6	94	14.1	84	12.7	112	17.2
Barton.........	469	13.0	470	13.0	496	13.4	544	14.4	522	16.3
Bourbon........	217	13.8	205	12.9	233	13.9	223	13.4	245	15.3
Brown..........	150	11.5	167	12.9	177	13.7	196	15.5	201	17.2
Butler.........	537	13.6	589	14.4	623	14.8	688	15.6	641	14.7
Chase..........	41	11.5	39	11.1	34	10.0	47	14.1	48	13.7
Chautauqua.....	52	10.3	43	8.5	43	8.5	41	8.1	63	13.6
Cherokee.......	290	12.9	280	12.1	305	13.6	303	12.7	326	15.1
Cheyenne.......	53	13.2	43	10.5	56	13.9	54	13.6	45	11.5
Clark..........	27	9.5	27	9.4	26	9.4	23	8.5	30	10.5
Clay...........	146	14.4	132	13.0	133	13.3	151	15.1	146	14.4
Cloud..........	155	11.0	141	10.0	184	13.1	169	12.2	170	13.3
Coffey.........	77	9.3	88	11.2	112	14.0	115	14.2	174	19.9
Comanche.......	16	5.6	30	10.7	24	8.4	24	8.9	38	13.8
Cowley.........	408	11.7	461	13.1	513	14.5	526	14.9	568	16.2
Crawford.......	432	11.3	486	12.8	480	12.7	447	11.7	537	14.4
Decatur........	59	11.7	71	14.2	53	10.7	55	11.3	74	14.6
Dickinson......	271	12.4	295	13.3	302	13.4	301	13.3	294	14.0
Doniphan.......	135	13.4	142	14.2	125	12.5	135	13.9	143	15.9
Douglas........	780	12.2	797	13.2	807	12.8	891	13.5	899	13.3
Edwards........	69	15.3	69	15.0	70	15.7	60	13.7	65	14.2
Elk............	43	10.6	33	8.1	47	11.7	34	8.5	63	15.9
Ellis..........	380	15.6	444	18.1	441	17.6	492	19.3	447	16.4
Ellsworth......	73	10.1	76	10.6	81	11.1	80	11.3	105	16.6
Finney.........	445	19.1	525	20.8	494	18.9	501	17.4	541	22.0
Ford...........	399	16.3	420	17.0	428	17.1	425	17.0	453	18.7
Franklin.......	280	13.6	302	14.5	348	16.4	297	13.9	348	16.6
Geary..........	1,020	41.7	1,140	45.5	1,318	56.3	1,328	57.1	1,282	43.7
Gove...........	71	17.8	52	13.1	55	13.8	82	20.9	60	15.1
Graham.........	58	12.5	52	11.3	70	15.6	64	14.3	58	13.7
Grant..........	146	20.7	159	22.1	158	21.5	178	24.5	156	20.6
Gray...........	105	21.2	115	22.3	117	22.4	93	18.0	86	15.8
Greeley........	27	12.2	33	14.5	45	20.5	30	14.3	46	24.4
Greenwood......	110	12.0	112	12.3	123	13.5	107	12.0	102	10.8
Hamilton.......	41	13.3	50	16.0	27	8.6	35	11.4	34	11.4
Harper.........	85	10.4	96	12.0	107	13.3	78	9.7	102	12.9
Harvey.........	438	15.1	444	15.2	426	14.7	443	15.4	461	15.4
Haskell........	73	17.8	89	21.3	91	21.7	91	22.1	84	19.8
Hodgeman.......	29	10.6	39	14.5	32	12.1	29	11.2	35	13.7
Jackson........	148	13.1	161	14.0	208	17.9	167	14.4	211	17.1
Jefferson......	147	11.5	190	14.3	208	14.9	202	14.3	224	15.2
Jewell.........	56	9.3	64	10.8	88	15.0	75	12.9	81	14.1
Johnson........	3,154	13.0	3,300	13.5	3,625	14.4	3,560	13.9	3,898	14.6
Kearny.........	62	18.7	76	22.8	72	21.2	81	23.4	67	17.6
Kingman........	106	10.6	134	13.3	121	12.0	117	12.0	131	14.6
Kiowa..........	61	15.1	70	16.8	63	14.8	56	13.5	55	13.2
Labette........	334	13.2	338	13.8	370	14.7	352	14.1	376	14.7
Lane...........	38	13.4	38	13.4	49	17.2	41	14.7	41	15.3
Leavenworth....	723	14.3	736	14.4	725	14.0	785	15.0	760	13.8
Lincoln........	46	9.6	78	16.3	43	9.1	60	13.0	60	13.2
Linn...........	115	13.7	119	14.4	119	14.3	105	12.3	127	14.3
Logan..........	68	17.9	60	15.4	60	15.9	58	15.9	66	18.0

Table 23 (cont.)
Live Births by Number and Rate
By County of Residence
Kansas, 1975-1979

County of Residence	Year									
	1975		1976		1977		1978		1979	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon............	494	15.9	520	15.8	570	16.6	575	15.9	628	18.2
Marion..........	161	9.9	130	8.1	151	9.1	175	10.8	167	12.6
Marshall........	157	11.3	160	11.5	194	14.3	185	13.8	177	12.9
McPherson.......	322	12.8	379	14.9	381	14.8	400	15.4	419	16.0
Meade...........	69	13.6	62	12.2	79	15.5	73	14.5	92	17.7
Miami...........	325	15.5	294	14.3	326	15.4	295	13.4	315	14.1
Mitchell........	133	16.4	137	16.9	130	16.2	118	14.5	131	16.1
Montgomery......	518	12.1	570	13.3	620	14.3	611	13.9	672	16.6
Morris..........	84	12.2	100	14.4	90	13.1	78	11.5	104	15.0
Morton..........	63	18.0	71	20.2	72	20.6	48	13.9	60	16.5
Nemaha..........	162	13.4	159	13.1	189	15.6	174	14.5	193	16.8
Neosho..........	256	14.4	279	15.7	282	15.8	279	15.3	269	14.3
Ness............	64	13.8	64	14.1	71	14.8	75	16.0	83	17.5
Norton..........	77	10.7	73	10.3	93	13.1	72	9.9	84	12.7
Osage...........	170	12.7	195	14.3	214	15.5	183	12.8	238	16.2
Osborne.........	76	11.9	81	12.8	78	12.3	63	10.1	88	13.9
Ottawa..........	73	11.4	70	11.0	83	13.0	76	12.0	87	13.6
Pawnee..........	115	14.3	105	13.1	138	17.3	109	13.9	112	13.2
Phillips........	95	11.5	123	14.9	91	10.9	92	11.5	110	14.1
Pottawatomie....	202	15.5	209	15.6	241	17.6	258	17.9	258	18.1
Pratt...........	138	15.1	142	14.6	144	14.7	164	16.8	149	14.6
Rawlins.........	58	13.5	57	13.2	64	15.0	62	14.9	60	14.0
Reno............	940	14.5	886	13.6	999	15.3	1,002	15.3	968	15.1
Republic........	75	9.1	96	11.5	107	12.9	74	9.1	97	12.9
Rice............	136	11.6	175	15.0	190	15.8	187	15.7	186	15.0
Riley...........	915	22.3	999	23.9	886	21.1	863	20.6	899	13.3
Rooks...........	115	15.7	92	12.3	122	16.8	111	15.0	110	15.0
Rush............	59	11.1	56	10.7	60	11.7	55	11.1	61	12.5
Russell.........	104	10.7	114	11.8	118	12.4	120	12.8	139	15.3
Saline..........	708	14.9	714	14.3	738	15.2	742	15.7	745	14.7
Scott...........	98	15.2	110	16.4	106	15.3	107	16.2	100	16.0
Sedgwick........	5,933	17.5	6,138	17.9	6,138	18.0	6,031	17.6	6,735	19.1
Seward..........	344	20.7	332	19.9	344	20.1	345	19.9	357	20.7
Shawnee.........	2,110	12.2	2,205	12.6	2,297	12.9	2,319	12.9	2,508	15.9
Sheridan........	47	12.2	66	17.7	62	16.2	64	16.7	60	15.0
Sherman.........	163	19.3	169	19.9	147	17.3	131	16.1	127	15.6
Smith...........	75	11.4	79	12.2	79	12.1	85	13.2	71	11.0
Stafford........	67	10.8	64	10.3	76	12.4	86	13.9	86	13.5
Stanton.........	55	21.8	51	19.3	58	21.2	35	14.0	52	19.0
Stevens.........	91	18.7	82	18.2	92	19.4	90	19.0	107	21.5
Sumner..........	340	14.1	346	14.4	365	15.1	342	14.0	393	16.1
Thomas..........	135	17.3	136	16.7	158	19.0	149	18.1	164	18.8
Trego...........	59	12.9	60	13.3	62	13.6	62	14.0	67	14.8
Wabaunsee.......	79	11.7	81	12.1	79	11.6	94	13.9	101	14.2
Wallace.........	40	18.0	33	14.7	40	17.6	38	17.0	37	17.3
Washington......	115	12.3	124	13.6	103	11.4	126	13.9	126	13.9
Wichita.........	60	16.2	89	24.4	77	22.2	71	21.1	58	17.3
Wilson..........	128	9.0	167	12.9	176	14.2	167	12.6	197	16.3
Woodson.........	53	11.1	53	11.3	60	12.8	56	11.9	62	14.9
Wyandotte.......	2,883	15.3	2,981	16.0	3,080	17.0	3,093	17.1	3,265	19.2

Table 24
Live Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1979

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Kansas........	38,916	67	5,800	14,541	12,169	5,003	1,132	193	10	1
Allen.........	256	-	47	101	71	25	10	2	-	-
Anderson......	110	-	20	39	35	11	4	1	-	-
Atchison......	275	1	50	101	74	35	12	2	-	-
Barber........	112	-	24	39	30	13	4	1	-	1
Barton........	522	-	72	207	168	55	16	3	1	-
Bourbon.......	245	2	36	92	75	32	7	1	-	-
Brown.........	201	-	27	82	67	21	2	2	-	-
Butler........	641	-	107	226	203	92	10	3	-	-
Chase.........	48	-	9	17	15	5	2	-	-	-
Chautauqua....	63	-	10	29	10	10	4	-	-	-
Cherokee......	326	1	77	117	88	35	6	2	-	-
Cheyenne......	45	-	5	22	14	3	1	-	-	-
Clark.........	30	-	5	7	15	2	1	-	-	-
Clay..........	146	2	20	53	53	15	3	-	-	-
Cloud.........	170	-	26	51	68	19	5	1	-	-
Coffey........	174	-	22	81	49	14	8	-	-	-
Comanche......	38	-	6	20	7	3	2	-	-	-
Cowley........	568	1	99	225	177	54	10	2	-	-
Crawford......	537	1	87	208	151	65	24	1	-	-
Decatur.......	74	-	11	22	26	12	3	-	-	-
Dickinson.....	294	-	45	114	86	40	7	2	-	-
Doniphan......	143	1	30	53	36	15	7	1	-	-
Douglas.......	899	-	96	308	323	145	24	3	-	-
Edwards.......	65	-	4	27	27	5	2	-	-	-
Elk...........	63	-	11	21	17	8	3	3	-	-
Ellis.........	447	-	38	176	175	47	9	2	-	-
Ellsworth.....	105	-	14	39	30	19	3	-	-	-
Finney........	541	1	88	203	168	62	17	2	-	-
Ford..........	453	-	63	162	160	50	16	2	-	-
Franklin......	348	-	63	136	103	33	11	2	-	
Geary.........	1,282	2	242	643	276	98	18	3	-	-
Gove..........	60	-	8	17	24	7	4	-	-	-
Graham........	58	-	10	24	15	6	3	-	-	-
Grant.........	156	-	29	56	48	16	5	1	1	-
Gray..........	86	-	2	36	37	10	-	1	-	-
Greeley.......	46	-	7	19	15	3	1	-	1	-
Greenwood.....	102	-	16	43	27	13	3	-	-	-
Hamilton......	34	-	8	9	14	3	-	-	-	-
Harper........	102	-	14	43	29	14	2	-	-	-
Harvey........	461	1	58	152	155	75	16	4	-	-
Haskell.......	84	-	11	33	26	11	2	1	-	-
Hodgeman......	35	-	5	12	10	8	-	-	-	-
Jackson.......	211	1	32	76	66	27	9	-	-	-
Jefferson.....	224	-	38	83	61	30	9	2	1	-
Jewell........	81	1	8	38	21	10	2	1	-	-
Johnson.......	3,898	1	275	974	1,637	825	159	26	1	-
Kearny........	67	-	13	22	24	5	3	-	-	-
Kingman.......	131	1	21	46	37	22	3	1	-	-
Kiowa.........	55	-	4	28	18	4	-	1	-	-
Labette.......	376	1	67	141	95	55	14	3	-	-
Lane..........	41	-	4	17	13	4	3	-	-	-
Leavenworth...	760	-	95	269	233	124	29	10	-	-
Lincoln.......	60	-	4	25	24	6	1	-	-	-
Linn..........	127	1	20	40	44	14	6	2	-	-
Logan.........	66	-	14	27	17	7	1	-	-	-

Table 24 (cont.)
Live Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1979

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Lyon.........	628	-	93	239	193	84	13	6	-	-
Marion.......	167	-	25	55	56	27	4	-	-	-
Marshall.....	177	-	19	73	54	20	9	2	-	-
McPherson....	419	-	43	153	150	56	15	2	-	-
Meade........	92	-	9	37	29	11	5	1	-	-
Miami........	315	1	48	132	86	38	8	2	-	-
Mitchell.....	131	-	8	41	51	25	5	1	-	-
Montgomery...	672	3	131	262	196	64	13	3	-	-
Morris.......	104	-	16	52	27	7	2	-	-	-
Morton.......	60	-	13	23	15	9	-	-	-	-
Nemaha.......	193	-	13	82	57	28	12	1	-	-
Neosho.......	269	-	36	128	78	17	10	-	-	-
Ness.........	83	-	7	31	34	9	2	-	-	-
Norton.......	84	-	7	36	28	12	1	-	-	-
Osage........	238	-	41	84	68	31	12	1	1	-
Osborne......	88	-	15	33	31	5	4	-	-	-
Ottawa.......	87	1	11	38	20	16	1	-	-	-
Pawnee.......	112	-	12	45	40	9	6	-	-	-
Phillips.....	110	-	15	38	42	12	3	-	-	-
Pottawatomie.	258	-	28	108	79	32	9	2	-	-
Pratt........	149	-	20	53	44	26	5	-	1	-
Rawlins......	60	-	9	17	18	14	2	-	-	-
Reno.........	968	1	169	364	298	111	24	1	-	-
Republic.....	97	-	11	37	25	22	2	-	-	-
Rice.........	186	1	24	77	53	23	6	2	-	-
Riley........	899	1	107	357	289	122	19	4	-	-
Rooks........	110	-	16	31	44	15	3	1	-	-
Rush.........	61	-	4	31	18	7	1	-	-	-
Russell......	139	-	21	57	47	11	2	1	-	-
Saline.......	745	1	90	271	266	89	25	3	-	-
Scott........	100	-	17	38	34	8	3	-	-	-
Sedgwick.....	6,735	11	1,102	2,602	2,007	815	167	29	2	-
Seward.......	357	-	69	151	92	32	9	4	-	-
Shawnee......	2,508	4	361	913	822	327	71	9	1	-
Sheridan.....	60	-	4	23	22	9	2	-	-	-
Sherman......	127	3	27	41	39	13	3	1	-	-
Smith........	71	-	6	27	27	9	2	-	-	-
Stafford.....	86	-	8	33	32	10	2	1	-	-
Stanton......	52	-	9	19	22	1	1	-	-	-
Stevens......	107	-	23	47	25	10	2	-	-	-
Sumner.......	393	-	65	165	106	45	11	1	-	-
Thomas.......	164	-	22	69	48	12	11	2	-	-
Trego........	67	-	3	28	22	11	2	1	-	-
Wabaunsee....	101	-	11	45	34	11	-	-	-	-
Wallace......	37	-	3	15	15	3	1	-	-	-
Washington...	126	-	9	47	40	22	6	2	-	-
Wichita......	58	-	6	27	16	8	1	-	-	-
Wilson.......	197	-	35	89	43	24	5	1	-	-
Woodson......	62	-	9	21	18	9	4	1	-	-
Wyandotte....	3,265	21	733	1,305	782	330	80	14	-	-

Table 25
Out-of-Wedlock Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1979

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-59	N.S.
Kansas..........	4,593	61	2,085	1,643	533	191	69	11	-	-
Allen...........	16	-	10	4	2	-	-	-	-	-
Anderson........	6	-	6	-	-	-	-	-	-	-
Atchison........	47	1	24	17	3	1	-	1	-	-
Barber..........	5	-	4	1	-	-	-	-	-	-
Barton..........	42	-	19	15	5	3	-	-	-	-
Bourbon.........	18	2	11	4	1	-	-	-	-	-
Brown...........	18	-	6	11	1	-	-	-	-	-
Butler..........	43	-	21	17	5	-	-	-	-	-
Chase...........	3	-	3	-	-	-	-	-	-	-
Chautauqua......	8	-	3	3	1	-	1	-	-	-
Cherokee........	31	1	12	9	6	3	-	-	-	-
Cheyenne........	2	-	1	1	-	-	-	-	-	-
Clark...........	1	-	1	-	-	-	-	-	-	-
Clay............	7	2	4	-	-	1	-	-	-	-
Cloud...........	15	-	12	2	1	-	-	-	-	-
Coffey..........	14	-	9	2	2	0	1	-	-	-
Comanche........	1	-	1	-	-	-	-	-	-	-
Cowley..........	44	1	24	12	5	2	-	-	-	-
Crawford........	50	1	24	15	7	2	1	-	-	-
Decatur.........	2	-	1	-	1	-	-	-	-	-
Dickinson.......	21	-	10	7	2	1	1	-	-	-
Doniphan........	14	1	10	1	1	-	1	-	-	-
Douglas.........	78	-	33	33	6	6	-	-	-	-
Edwards.........	3	-	-	2	-	-	1	-	-	-
Elk.............	7	-	4	2	1	-	-	-	-	-
Ellis...........	26	-	11	10	5	-	-	-	-	-
Ellsworth.......	7	-	4	2	1	-	-	-	-	-
Finney..........	56	1	24	20	5	2	3	1	-	-
Ford............	52	-	22	20	6	3	1	-	-	-
Franklin........	37	-	18	12	4	3	-	-	-	-
Geary...........	128	2	49	61	11	4	1	-	-	-
Gove............	-	-	-	-	-	-	-	-	-	-
Graham..........	6	-	5	1	-	-	-	-	-	-
Grant...........	13	-	6	5	2	-	-	-	-	-
Gray............	1	-	-	1	-	-	-	-	-	-
Greeley.........	2	-	2	-	-	-	-	-	-	-
Greenwood.......	12	-	6	6	-	-	-	-	-	-
Hamilton........	3	-	1	1	1	-	-	-	-	-
Harper..........	3	-	1	-	2	-	-	-	-	-
Harvey..........	38	1	19	14	4	-	-	-	-	-
Haskell.........	5	-	4	1	-	-	-	-	-	-
Hodgeman........	1	-	-	1	-	-	-	-	-	-
Jackson.........	13	-	8	2	2	1	-	-	-	-
Jefferson.......	13	-	9	4	-	-	-	-	-	-
Jewell..........	2	-	1	1	-	-	-	-	-	-
Johnson.........	229	1	87	98	32	10	-	1	-	-
Kearny..........	4	-	3	1	-	-	-	-	-	-
Kingman.........	10	1	6	2	1	-	-	-	-	-
Kiowa...........	2	-	1	-	-	1	-	-	-	-
Labette.........	46	1	24	11	6	-	4	-	-	-
Lane............	1	-	1	-	-	-	-	-	-	-
Leavenworth.....	81	-	28	34	10	6	2	1	-	-
Lincoln.........	4	-	2	2	-	-	-	-	-	-
Linn............	8	-	5	3	-	-	-	-	-	-
Logan...........	2	-	2	-	-	-	-	-	-	-

Table 25 (cont.)
Out-of-Wedlock Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1979

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-59	N.S.
Lyon............	55	-	26	18	9	2	-	-	-	-
Marion..........	10	-	3	3	3	1	-	-	-	-
Marshall........	8	-	7	-	1	-	-	-	-	-
McPherson.......	19	-	11	6	2	-	-	-	-	-
Meade...........	4	-	1	2	-	-	1	-	-	-
Miami...........	19	1	9	6	3	-	-	-	-	-
Mitchell........	6	-	2	3	-	1	-	-	-	-
Montgomery......	95	2	55	25	9	4	-	-	-	-
Morris..........	7	-	1	5	1	-	-	-	-	-
Morton..........	1	-	-	1	-	-	-	-	-	-
Nemaha..........	7	-	4	2	-	1	-	-	-	-
Neosho..........	13	-	5	5	1	1	1	-	-	-
Ness............	1	-	-	1	-	-	-	-	-	-
Norton..........	5	-	1	2	2	-	-	-	-	-
Osage...........	16	-	9	5	1	1	-	-	-	-
Osborne.........	8	-	3	4	-	1	-	-	-	-
Ottawa..........	8	1	5	2	-	-	-	-	-	-
Pawnee..........	6	-	2	1	3	-	-	-	-	-
Phillips........	4	-	4	-	-	-	-	-	-	-
Pottawatomie....	10	-	8	2	-	-	-	-	-	-
Pratt...........	8	-	1	4	1	2	-	-	-	-
Rawlins.........	3	-	3	-	-	-	-	-	-	-
Reno............	106	1	44	39	16	5	1	-	-	-
Republic........	4	-	2	1	-	1	-	-	-	-
Rice............	20	1	11	5	3	-	-	-	-	-
Riley...........	51	1	17	18	10	3	2	-	-	-
Rooks...........	4	-	-	4	-	-	-	-	-	-
Rush............	4	-	2	2	-	-	-	-	-	-
Russell.........	11	-	4	5	1	-	1	-	-	-
Saline..........	92	1	34	45	7	3	1	1	-	-
Scott...........	5	-	2	3	-	-	-	-	-	-
Sedgwick........	1,114	10	542	387	127	35	10	3	-	-
Seward..........	42	-	21	16	4	1	-	-	-	-
Shawnee.........	426	4	177	155	56	22	12	-	-	-
Sheridan........	2	-	-	1	1	-	-	-	-	-
Sherman.........	13	3	5	4	1	-	-	-	-	-
Smith...........	3	-	1	2	-	-	-	-	-	-
Stafford........	6	-	3	3	-	-	-	-	-	-
Stanton.........	2	-	2	-	-	-	-	-	-	-
Stevens.........	5	-	4	1	-	-	-	-	-	-
Sumner..........	24	-	11	11	2	-	-	-	-	-
Thomas..........	7	-	5	2	-	-	-	-	-	-
Trego...........	2	-	1	1	-	-	-	-	-	-
Wabaunsee.......	6	-	4	2	-	-	-	-	-	-
Wallace.........	1	-	-	1	-	-	-	-	-	-
Washington......	2	-	2	-	-	-	-	-	-	-
Wichita.........	5	-	1	3	1	-	-	-	-	-
Wilson..........	13	-	6	3	1	2	1	-	-	-
Woodson.........	4	-	2	1	-	1	-	-	-	-
Wyandotte.......	1,005	20	420	360	125	55	22	3	-	-

Table 26
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1979

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Kansas..........	7,281	64	2,691	2,481	1,150	526	261	82	10	16
Allen...........	35	1	15	9	4	3	2	-	1	-
Anderson........	19	-	13	2	-	1	3	-	-	-
Atchison........	44	-	16	18	8	2	-	-	-	-
Barber..........	3	-	1	1	-	-	1	-	-	-
Barton..........	85	1	39	22	15	6	2	-	-	-
Bourbon.........	35	-	15	12	4	4	-	-	-	-
Brown...........	12	-	7	3	2	-	-	-	-	-
Butler..........	104	2	46	30	15	6	3	2	-	-
Chase...........	5	-	5	-	-	-	-	-	-	-
Chautauqua......	8	-	3	1	1	1	2	-	-	-
Cherokee........	18	1	6	7	2	-	1	1	-	-
Cheyenne........	-	-	-	-	-	-	-	-	-	-
Clark...........	-	-	-	-	-	-	-	-	-	-
Clay............	16	1	9	2	3	-	-	1	-	-
Cloud...........	18	-	7	7	4	-	-	-	-	-
Coffey..........	8	-	5	2	1	-	-	-	-	-
Comanche........	2	1	1	-	-	-	-	-	-	-
Cowley..........	79	1	26	25	13	8	5	1	-	-
Crawford........	106	1	35	46	15	8	-	-	1	-
Decatur.........	2	-	1	-	-	1	-	-	-	-
Dickinson.......	26	-	9	9	3	1	3	1	-	-
Doniphan........	23	-	10	9	1	1	-	1	1	-
Douglas.........	365	3	125	161	47	17	10	2	-	-
Edwards.........	10	-	4	3	1	1	-	1	-	-
Elk.............	-	-	-	-	-	-	-	-	-	-
Ellis...........	67	-	17	29	14	3	4	-	-	-
Ellsworth.......	6	-	3	1	2	-	-	-	-	-
Finney..........	28	-	9	8	5	2	4	-	-	-
Ford............	57	-	27	17	7	5	1	-	-	-
Franklin........	46	-	20	16	6	3	1	-	-	-
Geary...........	57	-	16	18	11	8	2	2	-	-
Gove............	2	-	1	1	-	-	-	-	-	-
Graham..........	6	-	5	1	-	-	-	-	-	-
Grant...........	8	-	3	3	1	-	-	1	-	-
Gray............	4	-	3	1	-	-	-	-	-	-
Greeley.........	-	-	-	-	-	-	-	-	-	-
Greenwood.......	8	-	2	3	1	1	1	-	-	-
Hamilton........	-	-	-	-	-	-	-	-	-	-
Harper..........	8	-	4	1	-	2	-	1	-	-
Harvey..........	84	1	37	27	11	5	2	-	1	-
Haskell.........	7	-	2	3	1	-	1	-	-	-
Hodgeman........	3	-	1	2	-	-	-	-	-	-
Jackson.........	29	-	13	5	4	3	4	-	-	-
Jefferson.......	32	-	15	7	3	2	1	2	1	1
Jewell..........	11	-	3	4	2	-	1	1	-	-
Johnson.........	1,343	6	501	427	229	113	52	12	-	3
Kearny..........	-	-	-	-	-	-	-	-	-	-
Kingman.........	15	-	10	3	1	-	1	-	-	-
Kiowa...........	7	-	3	3	1	-	-	-	-	-
Labette.........	59	-	25	24	6	4	-	-	-	-
Lane............	1	-	1	-	-	-	-	-	-	-
Leavenworth.....	152	2	71	35	18	15	11	-	-	-
Lincoln.........	4	-	2	1	-	1	-	-	-	-
Linn............	20	-	16	1	1	2	-	-	-	-
Logan...........	-	-	-	-	-	-	-	-	-	-

Table 26 (cont.)
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1979

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Lyon.............	135	-	39	62	20	9	3	-	-	2
Marion...........	8	-	4	4	-	-	-	-	-	-
Marshall.........	15	1	7	4	-	2	1	-	-	-
McPherson........	49	-	20	20	4	5	-	-	-	-
Meade............	9	-	3	4	1	1	-	-	-	-
Miami............	61	2	22	23	9	3	1	1	-	-
Mitchell.........	8	-	4	3	-	-	1	-	-	-
Montgomery.......	27	1	14	8	1	2	1	-	-	-
Morris...........	6	-	3	2	1	-	-	-	-	-
Morton...........	1	-	1	-	-	-	-	-	-	-
Nemaha...........	12	-	8	2	1	1	-	-	-	-
Neosho...........	24	1	8	4	6	3	2	-	-	-
Ness.............	1	-	-	-	-	-	-	-	-	1
Norton...........	10	1	2	6	-	-	1	-	-	-
Osage............	36	1	17	4	4	5	4	1	-	-
Osborne..........	10	-	4	3	1	2	-	-	-	-
Ottawa...........	6	-	3	2	1	-	-	-	-	-
Pawnee...........	25	1	9	5	7	2	1	-	-	-
Phillips.........	7	-	4	2	1	-	-	-	-	-
Pottawatomie.....	31	-	13	12	3	1	-	2	-	-
Pratt............	23	-	11	6	6	-	-	-	-	-
Rawlins..........	-	-	-	-	-	-	-	-	-	-
Reno.............	175	1	75	57	32	3	6	1	-	-
Republic.........	1	-	-	1	-	-	-	-	-	-
Rice.............	12	-	8	2	1	1	-	-	-	-
Riley............	266	1	90	123	29	15	6	2	-	-
Rooks............	4	-	4	-	-	-	-	-	-	-
Rush.............	5	-	-	4	-	-	-	1	-	-
Russell..........	16	-	11	2	3	-	-	-	-	-
Saline...........	145	2	62	49	19	8	4	-	-	1
Scott............	5	-	2	-	2	-	-	1	-	-
Sedgwick.........	1,464	14	458	541	274	112	44	18	1	2
Seward...........	37	-	15	5	9	1	3	4	-	-
Shawnee..........	673	6	222	210	128	57	35	10	1	4
Sheridan.........	1	-	1	-	-	-	-	-	-	-
Sherman..........	1	-	-	-	-	1	-	-	-	-
Smith............	3	-	-	2	-	-	1	-	-	-
Stafford.........	6	-	2	2	1	-	1	-	-	-
Stanton..........	6	-	3	2	1	-	-	-	-	-
Stevens..........	2	-	-	2	-	-	-	-	-	-
Sumner...........	46	-	23	12	5	5	1	-	-	-
Thomas...........	5	-	1	2	-	-	2	-	-	-
Trego............	7	-	3	2	1	1	-	-	-	-
Wabaunsee........	13	1	6	2	2	1	-	1	-	-
Wallace..........	-	-	-	-	-	-	-	-	-	-
Washington.......	6	-	2	1	-	1	2	-	-	-
Wichita..........	2	-	2	-	-	-	-	-	-	-
Wilson...........	19	-	11	5	2	1	-	-	-	-
Woodson..........	5	-	2	1	1	-	1	-	-	-
Wyandotte........	765	10	284	268	111	54	22	11	3	2

Table 27
Perinatal Period III Deaths
By County of Residence
Kansas, 1979

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Kansas..........	590	330	260
Allen...........	-	-	-
Anderson........	2	1	1
Atchison........	6	3	3
Barber..........	-	-	-
Barton..........	5	2	3
Bourbon.........	4	1	3
Brown...........	6	5	1
Butler..........	3	-	3
Chase...........	-	-	-
Chautauqua......	2	2	-
Cherokee........	6	4	2
Cheyenne........	-	-	-
Clark...........	-	-	-
Clay............	2	2	-
Cloud...........	1	-	1
Coffey..........	1	1	-
Comanche........	-	-	-
Cowley..........	14	7	7
Crawford........	5	1	4
Decatur.........	1	1	-
Dickinson.......	-	-	-
Doniphan........	3	2	1
Douglas.........	13	6	7
Edwards.........	3	3	-
Elk.............	-	-	-
Ellis...........	4	2	2
Ellsworth.......	2	2	-
Finney..........	2	-	2
Ford............	5	3	2
Franklin........	1	1	-
Geary...........	28	16	12
Gove............	1	1	-
Graham..........	-	-	-
Grant...........	1	1	-
Gray............	1	-	1

Table 27 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1979

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Greeley	-	-	-
Greenwood	2	1	1
Hamilton	-	-	-
Harper	-	-	-
Harvey	2	-	2
Haskell	-	-	-
Hodgeman	-	-	-
Jackson	3	2	1
Jefferson	5	4	1
Jewell	-	-	-
Johnson	49	19	30
Kearny	1	-	1
Kingman	2	1	1
Kiowa	-	-	-
Labette	7	5	2
Lane	2	2	-
Leavenworth	16	8	8
Lincoln	2	2	-
Linn	1	1	-
Logan	-	-	-
Lyon	8	4	4
Marion	3	2	1
Marshall	5	1	4
McPherson	5	3	2
Meade	-	-	-
Miami	3	1	2
Mitchell	1	-	1
Montgomery	12	7	5
Morris	-	-	-
Morton	-	-	-
Nemaha	2	2	-
Neosho	5	3	2
Ness	2	2	-
Norton	-	-	-
Osage	3	2	1

Table 27 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1979

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Osborne.........	-	-	-
Ottawa..........	2	1	1
Pawnee..........	7	6	1
Phillips........	1	1	-
Pottawatomie....	9	6	3
Pratt...........	4	2	2
Rawlins.........	1	1	-
Reno............	11	5	6
Republic........	-	-	-
Rice............	1	-	1
Riley...........	16	13	3
Rooks...........	3	2	1
Rush............	1	-	1
Russell.........	1	1	-
Saline..........	18	10	8
Scott...........	-	-	-
Sedgwick........	120	69	51
Seward..........	4	4	-
Shawnee.........	39	19	20
Sheridan........	1	1	-
Sherman.........	1	1	-
Smith...........	1	1	-
Stafford........	1	-	1
Stanton.........	-	-	-
Stevens.........	2	2	-
Sumner..........	3	1	2
Thomas..........	2	1	1
Trego...........	2	2	-
Wabaunsee.......	1	-	1
Wallace.........	-	-	-
Washington......	4	2	2
Wichita.........	1	-	1
Wilson..........	2	1	1
Woodson.........	-	-	-
Wyandotte.......	68	39	29

Table 28
Infant Deaths by Component
By County of Residence
Kansas, 1979

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 days	7-27 days	Under 28 days	28-364 days	Under 1 year
Kansas	260	41	301	126	427
Allen	-	-	-	2	2
Anderson	1	1	2	-	2
Atchison	3	1	4	2	6
Barber	-	1	1	-	1
Barton	3	-	3	1	4
Bourbon	3	-	3	-	3
Brown	1	1	2	1	3
Butler	3	1	4	2	6
Chase	-	-	-	-	-
Chautauqua	-	-	-	1	1
Cherokee	2	1	3	-	3
Cheyenne	-	-	-	-	-
Clark	-	-	-	-	-
Clay	-	-	-	-	-
Cloud	1	-	1	-	1
Coffey	-	1	1	-	1
Comanche	-	-	-	-	-
Cowley	7	-	7	4	11
Crawford	4	-	4	3	7
Decatur	-	-	-	1	1
Dickinson	-	-	-	-	-
Doniphan	1	-	1	1	2
Douglas	7	-	7	-	7
Edwards	-	-	-	-	-
Elk	-	-	-	-	-
Ellis	2	-	2	-	2
Ellsworth	-	-	-	-	-
Finney	2	-	2	3	5
Ford	2	1	3	-	3
Franklin	-	-	-	2	2
Geary	12	1	13	3	16
Gove	-	-	-	-	-
Graham	-	-	-	-	-
Grant	-	-	-	-	-
Gray	1	-	1	-	1
Greeley	-	-	-	-	-
Greenwood	1	-	1	-	1
Hamilton	-	-	-	-	-
Harper	-	-	-	-	-
Harvey	2	-	2	-	2
Haskell	-	-	-	-	-
Hodgeman	-	-	-	1	1
Jackson	1	-	1	2	3
Jefferson	1	-	1	-	1
Jewell	-	-	-	-	-
Johnson	30	5	35	11	46
Kearny	1	-	1	-	1
Kingman	1	-	1	-	1
Kiowa	-	-	-	-	-
Labette	2	1	3	-	3
Lane	-	-	-	-	-
Leavenworth	8	1	9	1	10
Lincoln	-	1	1	-	1
Linn	-	1	1	-	1
Logan	-	-	-	-	-

Table 28 (cont.)
Infant Deaths by Component
By County of Residence
Kansas, 1979

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 days	7-27 days	Under 28 days	28-364 days	Under 1 year
Lyon............	4	-	4	5	9
Marion...........	1	-	1	-	1
Marshall.........	4	-	4	-	4
McPherson........	2	-	2	1	3
Meade............	-	-	-	-	-
Miami............	2	-	2	3	5
Mitchell.........	1	-	1	-	1
Montgomery.......	5	1	6	4	10
Morris...........	-	-	-	1	1
Morton...........	-	-	-	-	-
Nemaha...........	-	-	-	-	-
Neosho...........	2	1	3	1	4
Ness.............	-	-	-	-	-
Norton...........	-	1	1	1	2
Osage............	1	-	1	-	1
Osborne..........	-	1	1	-	1
Ottawa...........	1	-	1	-	1
Pawnee...........	1	-	1	-	1
Phillips.........	-	-	-	-	-
Pottawatomie.....	3	-	3	-	3
Pratt............	2	-	2	-	2
Rawlins..........	-	-	-	-	-
Reno.............	6	1	7	3	10
Republic.........	-	1	1	-	1
Rice.............	1	-	1	-	1
Riley............	3	-	3	3	6
Rooks............	1	-	1	1	2
Rush.............	1	-	1	-	1
Russell..........	-	-	-	-	-
Saline...........	8	2	10	2	12
Scott............	-	1	1	-	1
Sedgwick.........	51	6	57	27	84
Seward...........	-	-	-	1	1
Shawnee..........	20	2	22	7	29
Sheridan.........	-	-	-	-	-
Sherman..........	-	-	-	3	3
Smith............	-	-	-	-	-
Stafford.........	1	-	1	1	2
Stanton..........	-	-	-	-	-
Stevens..........	-	-	-	-	-
Sumner...........	2	-	2	2	4
Thomas...........	1	-	1	-	1
Trego............	-	-	-	-	-
Wabaunsee........	1	-	1	-	1
Wallace..........	-	-	-	-	-
Washington.......	2	1	3	1	4
Wichita..........	1	-	1	-	1
Wilson...........	1	-	1	2	3
Woodson..........	-	-	-	-	-
Wyandotte........	29	5	34	16	50

Table 29
Deaths by Number and Rate
By County of Residence
Kansas, 1975-1979

County of Residence	Year									
	1975		1976		1977		1978		1979	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas	21,726	9.4	21,780	9.4	21,271	9.1	21,566	9.1	21,062	8.9
Allen	206	13.3	186	11.8	207	13.2	228	14.2	223	13.8
Anderson	115	13.5	99	11.8	123	14.8	109	13.1	126	14.7
Atchison	242	11.4	229	11.0	226	10.5	238	11.6	216	12.2
Barber	90	13.1	93	13.5	96	14.4	84	12.7	74	11.4
Barton	299	8.3	260	7.2	322	8.7	301	7.9	253	7.9
Bourbon	250	15.9	255	16.1	207	12.4	230	13.8	228	14.2
Brown	174	13.3	182	14.0	177	13.7	152	12.0	155	13.2
Butler	392	9.9	404	9.9	350	8.3	334	7.6	391	9.0
Chase	57	16.0	50	14.2	41	12.0	43	12.9	50	14.2
Chautauqua	80	15.8	92	18.2	62	12.3	78	15.4	70	15.1
Cherokee	307	13.6	325	14.1	275	12.2	298	12.5	287	13.3
Cheyenne	58	14.5	63	15.4	45	11.2	30	7.5	50	12.7
Clark	39	13.8	30	10.5	29	10.5	35	12.9	35	12.2
Clay	131	12.9	147	14.5	133	13.3	124	12.4	141	13.9
Cloud	183	13.0	196	13.9	183	13.0	197	14.2	169	13.3
Coffey	135	16.3	120	15.2	112	14.0	131	16.2	125	14.3
Comanche	41	14.4	42	15.0	39	13.7	31	11.5	26	9.4
Cowley	414	11.9	439	12.5	375	10.6	387	11.0	395	11.3
Crawford	516	13.5	475	12.5	497	13.1	489	12.8	473	12.7
Decatur	65	12.9	71	14.2	50	10.1	67	13.7	60	11.8
Dickinson	256	11.7	248	11.2	234	10.4	250	11.0	230	11.0
Doniphan	108	10.7	120	12.0	105	10.5	122	12.5	104	11.5
Douglas	379	5.9	362	6.0	351	5.6	348	5.3	337	5.0
Edwards	67	14.9	62	13.4	55	12.3	55	12.5	47	10.3
Elk	61	15.1	79	19.5	70	17.5	61	15.2	65	16.4
Ellis	151	6.2	129	5.3	150	6.0	177	6.9	156	5.7
Ellsworth	82	11.3	80	11.2	85	11.7	105	14.8	85	13.4
Finney	142	6.1	159	6.3	159	6.1	164	5.7	137	5.6
Ford	221	9.0	196	7.9	207	8.3	188	7.5	200	8.3
Franklin	219	10.6	261	12.5	255	12.0	247	11.5	209	10.0
Geary	208	8.5	209	8.3	219	9.4	208	8.9	197	6.7
Gove	47	11.8	34	8.5	42	10.5	43	11.0	39	9.8
Graham	46	9.9	43	9.4	36	8.0	38	8.5	36	8.5
Grant	46	6.5	41	5.7	27	3.7	45	6.2	31	4.1
Gray	36	7.3	37	7.2	33	6.3	29	5.6	38	7.0
Greeley	19	8.6	12	5.3	17	7.7	17	8.1	18	9.5
Greenwood	149	16.3	153	16.8	127	14.0	158	17.7	127	13.5
Hamilton	36	11.7	39	12.5	27	8.6	30	9.8	29	9.7
Harper	111	13.6	110	13.7	102	12.7	90	11.2	108	13.6
Harvey	250	8.6	270	9.3	255	8.8	269	9.4	268	8.9
Haskell	26	6.3	18	4.3	24	5.7	39	9.5	22	5.2
Hodgeman	27	9.8	28	10.4	29	10.9	23	8.9	20	7.8
Jackson	118	10.5	138	12.0	136	11.7	147	12.7	127	10.3
Jefferson	116	9.1	148	11.1	154	11.0	152	10.8	121	8.2
Jewell	99	16.5	85	14.4	85	14.5	71	12.3	65	11.3
Johnson	1,264	5.2	1,360	5.6	1,398	5.6	1,371	5.4	1,445	5.4
Kearny	21	6.4	22	6.6	20	5.9	28	8.1	24	6.3
Kingman	119	11.8	111	11.0	102	10.1	101	10.4	105	11.7
Kiowa	54	13.4	52	12.5	35	8.2	53	12.7	49	11.8
Labette	336	13.3	356	14.5	303	12.1	317	12.7	309	12.1
Lane	34	12.0	27	9.5	24	8.4	25	9.0	17	6.3
Leavenworth	421	8.3	433	8.4	430	8.3	446	8.5	391	7.1
Lincoln	81	16.9	63	13.1	46	9.7	79	17.1	44	9.7
Linn	123	14.7	122	14.8	113	13.6	134	15.7	109	12.3
Logan	31	8.1	28	7.2	52	13.8	32	8.8	31	8.4

Table 29 (cont.)
Deaths by Number and Rate
By County of Residence
Kansas, 1975-1979

County of Residence	1975		1976		1977		1978		1979	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon............	296	9.5	308	9.4	299	8.7	290	8.0	285	8.3
Marion...........	168	10.4	193	12.0	182	11.0	161	9.9	149	11.2
Marshall.........	209	15.0	220	15.8	212	15.6	205	15.3	203	14.8
McPherson........	272	10.8	236	9.3	273	10.6	263	10.1	244	9.3
Meade............	44	8.7	35	6.9	54	10.6	53	10.6	42	8.1
Miami............	217	10.4	248	12.1	213	10.0	217	9.9	214	9.6
Mitchell.........	99	12.2	121	14.9	119	14.8	113	13.9	110	13.5
Montgomery.......	573	13.4	542	12.6	553	12.7	579	13.2	526	13.0
Morris...........	85	12.3	100	14.4	80	11.6	103	15.2	98	14.1
Morton...........	38	10.9	24	6.8	29	8.3	21	6.1	26	7.1
Nemaha...........	142	11.7	129	10.7	133	11.0	136	11.3	114	10.0
Neosho...........	256	14.4	246	13.9	237	13.3	250	13.7	225	12.0
Ness.............	67	14.4	66	14.5	55	11.5	45	9.6	45	9.5
Norton...........	113	15.7	87	12.3	89	12.5	95	13.1	90	13.6
Osage............	182	13.6	167	12.3	181	13.1	180	12.6	175	11.9
Osborne..........	107	16.8	93	14.6	95	15.0	97	15.5	91	14.3
Ottawa...........	99	15.4	91	14.2	71	11.1	81	12.8	75	11.7
Pawnee...........	91	11.3	112	14.0	105	13.2	93	11.9	115	13.5
Phillips.........	91	11.0	105	12.7	108	13.0	87	10.9	108	13.8
Pottawatomie.....	151	11.6	155	11.5	126	9.2	146	10.2	151	10.6
Pratt............	138	15.1	129	13.3	107	10.9	134	13.7	127	12.4
Rawlins..........	50	11.6	56	13.0	34	8.0	37	8.9	36	8.4
Reno.............	574	8.8	582	8.9	603	9.3	612	9.3	611	9.5
Republic.........	114	13.8	152	18.2	131	15.8	123	15.1	121	16.1
Rice.............	149	12.8	150	12.8	166	13.8	122	10.2	140	11.3
Riley............	235	5.7	256	6.1	251	6.0	276	6.6	254	3.8
Rooks............	103	14.1	104	13.9	91	12.5	81	10.9	93	12.7
Rush.............	59	11.1	68	13.0	69	13.5	71	14.3	71	14.6
Russell..........	112	11.5	127	13.1	128	13.5	114	12.1	109	12.0
Saline...........	367	7.7	384	7.7	399	8.2	407	8.6	400	7.9
Scott............	55	8.5	56	8.3	52	7.5	35	5.3	39	6.3
Sedgwick.........	2,688	7.9	2,644	7.7	2,647	7.7	2,726	8.0	2,757	7.8
Seward...........	113	6.8	109	6.5	121	7.1	108	6.2	133	7.7
Shawnee..........	1,315	7.6	1,289	7.4	1,364	7.7	1,344	7.5	1,254	7.9
Sheridan.........	32	8.3	40	10.7	34	8.9	34	8.8	34	8.5
Sherman..........	82	9.7	72	8.5	61	7.2	67	8.2	63	7.7
Smith............	115	17.5	98	15.1	85	13.0	90	14.0	85	13.2
Stafford.........	84	13.5	90	14.5	82	13.4	83	13.4	75	11.7
Stanton..........	26	10.3	17	6.4	15	5.5	9	3.6	17	6.2
Stevens..........	35	7.2	35	7.8	40	8.4	31	6.6	36	7.2
Sumner...........	303	12.5	273	11.4	259	10.7	284	11.7	312	12.8
Thomas...........	90	11.5	46	5.7	81	9.7	63	7.7	74	8.5
Trego............	50	11.0	43	9.6	49	10.8	49	11.1	56	12.4
Wabaunsee........	81	12.0	96	14.3	65	9.5	80	11.8	63	8.9
Wallace..........	15	6.7	24	10.7	21	9.3	16	7.2	19	8.9
Washington.......	136	14.6	149	16.3	122	13.5	122	13.5	134	14.8
Wichita..........	28	7.6	19	5.2	15	4.3	22	6.5	21	6.3
Wilson...........	154	10.8	183	14.1	152	12.3	162	12.3	177	14.7
Woodson..........	85	17.7	78	16.6	76	16.2	80	17.0	79	19.0
Wyandotte........	1,740	9.3	1,740	9.3	1,681	9.3	1,721	9.5	1,699	10.0

Table 30
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1979

County of Residence	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Not Stated	Average Age at Death
Kansas.........	21,062	427	103	101	503	419	474	1,122	2,630	4,411	5,935	4,936	1	70.3
Allen..........	223	2	1	1	3	4	2	9	25	49	72	55	-	73.0
Anderson.......	126	2	-	-	6	-	4	-	12	24	35	43	-	74.1
Atchison.......	216	6	3	-	5	2	4	7	28	48	64	49	-	70.5
Barber.........	74	1	-	-	2	1	1	3	6	16	21	23	-	74.1
Barton.........	253	4	1	-	6	-	4	18	35	66	77	42	-	70.4
Bourbon........	228	3	1	-	2	1	4	10	25	56	68	58	-	73.7
Brown..........	155	3	1	-	1	3	5	4	18	27	47	46	-	73.1
Butler.........	391	6	1	2	9	15	7	24	49	92	110	76	-	69.4
Chase..........	50	-	-	-	-	-	-	1	5	7	19	18	-	79.7
Chautauqua.....	70	1	-	-	1	1	-	2	8	16	23	18	-	74.3
Cherokee.......	287	3	2	-	3	9	4	15	38	73	75	65	-	71.1
Cheyenne.......	50	-	-	1	-	1	-	-	7	8	16	17	-	76.0
Clark..........	35	-	-	-	-	1	-	-	4	7	13	10	-	77.2
Clay...........	141	-	-	-	2	-	1	5	17	24	43	49	-	77.2
Cloud..........	169	1	-	-	-	3	1	7	14	35	47	61	-	76.9
Coffey.........	125	1	2	1	3	3	4	6	10	21	41	33	-	72.1
Comanche.......	26	-	-	-	1	-	-	-	4	6	8	7	-	75.2
Cowley.........	395	11	2	1	2	6	13	17	47	74	133	89	-	71.2
Crawford.......	473	7	1	-	3	7	7	22	53	114	146	113	-	73.3
Decatur........	60	1	-	-	2	-	-	1	7	10	19	20	-	75.1
Dickinson......	230	-	1	-	1	2	1	9	21	48	80	67	-	76.2
Doniphan.......	104	2	1	-	-	1	-	6	13	19	28	34	-	74.6
Douglas........	337	7	-	-	6	8	9	19	43	70	90	85	-	70.8
Edwards........	47	-	-	1	-	-	1	2	6	10	12	15	-	74.8
Elk............	65	-	-	1	1	3	-	-	4	14	22	20	-	75.5
Ellis..........	156	2	2	2	5	2	5	6	28	30	49	25	-	68.0
Ellsworth......	85	-	-	-	2	-	-	3	10	18	28	24	-	76.0
Finney.........	137	5	1	2	5	3	4	4	32	28	26	27	-	65.2
Ford...........	200	3	3	2	9	6	9	11	19	34	63	41	-	67.3
Franklin.......	209	2	-	1	1	5	3	3	14	43	77	60	-	75.7
Geary..........	197	16	-	3	20	7	7	14	25	27	36	42	-	59.3
Gove...........	39	-	-	-	4	1	-	1	4	10	5	14	-	70.9
Graham.........	36	-	-	-	2	-	1	-	8	6	10	9	-	72.4
Grant..........	31	-	1	-	-	-	2	2	5	9	8	4	-	67.5
Gray...........	38	1	2	-	-	2	-	5	2	7	12	7	-	66.4

Table 30 (cont.)
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1979

County of Residence	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Not Stated	Average Age at Death
Greeley.........	18	-	-	-	1	-	-	-	2	4	5	6	-	75.4
Greenwood.......	127	1	-	1	2	-	4	4	12	29	35	39	-	74.6
Hamilton........	29	-	-	-	1	1	1	2	3	6	9	6	-	70.0
Harper..........	108	-	-	-	1	-	2	4	5	25	37	34	-	77.6
Harvey..........	268	2	1	-	8	6	5	13	26	51	79	77	-	73.2
Haskell.........	22	-	-	1	1	-	2	2	2	5	6	3	-	65.6
Hodgeman........	20	1	-	1	-	-	1	-	2	5	5	5	-	68.5
Jackson.........	127	3	-	-	5	3	3	6	11	29	32	35	-	71.4
Jefferson.......	121	1	-	1	2	3	2	5	9	24	36	38	-	74.0
Jewell..........	65	-	-	-	1	1	1	4	7	9	22	20	-	75.7
Johnson.........	1,445	46	6	11	48	38	44	115	223	285	362	267	-	66.2
Kearny..........	24	1	-	-	-	1	1	1	5	4	5	6	-	68.4
Kingman.........	105	1	2	1	1	-	1	5	11	19	36	28	-	73.3
Kiowa...........	49	-	1	-	-	-	-	-	7	12	15	14	-	76.2
Labette.........	309	3	1	1	4	2	2	15	38	66	91	86	-	73.6
Lane............	17	-	-	-	-	-	1	-	2	6	3	5	-	74.2
Leavenworth.....	391	10	4	2	12	11	10	34	68	87	91	61	1	65.4
Lincoln.........	44	1	-	1	-	-	1	3	4	6	11	17	-	74.2
Linn............	109	1	1	1	3	1	4	4	7	24	33	30	-	72.4
Logan...........	31	-	-	-	2	-	1	3	4	2	9	10	-	71.8
Lyon............	285	9	-	2	3	2	12	14	26	59	85	73	-	71.3
Marion..........	149	1	1	-	2	1	4	6	13	28	56	37	-	74.2
Marshall........	203	4	-	-	1	1	5	5	14	37	71	65	-	76.0
McPherson.......	244	3	1	-	4	3	4	8	23	51	80	67	-	74.3
Meade...........	42	-	-	-	-	1	1	1	8	12	12	7	-	71.8
Miami...........	214	5	3	1	6	2	3	10	14	45	66	59	-	72.0
Mitchell........	110	1	-	-	2	1	3	3	10	20	31	39	-	75.6
Montgomery......	526	10	3	2	9	11	10	15	58	128	159	121	-	71.4
Morris..........	98	1	-	-	1	1	1	1	4	22	30	37	-	77.9
Morton..........	26	-	2	-	2	1	2	1	5	4	7	2	-	58.5
Nemaha..........	114	-	1	-	4	1	-	3	12	23	32	38	-	74.9
Neosho..........	225	4	1	-	3	2	3	11	30	42	72	57	-	73.2
Ness............	45	-	-	-	-	-	-	3	8	12	11	11	-	73.2
Norton..........	90	2	-	-	3	-	1	4	8	15	31	26	-	73.6
Osage...........	175	1	-	-	2	-	2	6	20	35	48	61	-	75.8

Table 30 (cont.)
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1979

County of Residence	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-80	85 & Over	Not Stated	Average Age at Death
Osborne.........	91	1	1	1	3	-	1	4	6	18	30	26	-	72.7
Ottawa..........	75	1	-	-	1	1	1	-	8	18	20	25	-	75.4
Pawnee..........	115	1	-	-	-	3	1	4	14	27	35	30	-	73.8
Phillips........	108	-	-	-	1	-	2	8	13	15	34	35	-	75.1
Pottawatomie....	151	3	-	2	7	5	2	11	17	27	44	33	-	68.0
Pratt...........	127	2	-	-	1	4	2	5	13	24	35	41	-	74.5
Rawlins.........	36	-	1	1	1	1	-	1	4	6	11	10	-	70.4
Reno............	611	10	1	2	13	10	11	20	86	123	177	158	-	71.9
Republic........	121	1	1	1	1	-	-	2	9	24	38	44	-	77.3
Rice............	140	1	-	-	1	2	2	5	16	32	55	26	-	73.9
Riley...........	254	6	3	-	13	9	3	14	29	63	52	62	-	67.8
Rooks...........	93	2	-	-	1	1	3	7	12	20	27	20	-	71.2
Rush............	71	1	-	1	-	-	-	2	6	22	26	13	-	73.8
Russell.........	109	-	-	-	1	1	-	5	15	21	35	31	-	75.3
Saline..........	400	12	1	3	3	9	11	22	51	87	112	89	-	69.6
Scott...........	39	1	-	-	2	1	-	3	1	9	13	9	-	71.7
Sedgwick........	2,757	84	24	24	99	74	78	198	429	595	651	501	-	65.9
Seward..........	133	1	2	3	9	3	4	6	17	33	31	24	-	65.4
Shawnee.........	1,254	29	4	6	33	34	30	61	158	264	352	283	-	69.7
Sheridan........	34	-	-	-	-	1	1	1	1	8	9	13	-	77.5
Sherman.........	63	3	-	-	-	-	1	6	6	15	14	18	-	70.8
Smith...........	85	-	1	-	4	1	2	4	4	16	25	28	-	73.5
Stafford........	75	2	-	-	-	2	2	6	6	15	22	20	-	71.3
Stanton.........	17	-	-	-	1	2	2	1	2	3	4	2	-	60.4
Stevens.........	36	-	1	2	-	3	3	1	4	9	2	11	-	63.3
Sumner..........	312	4	1	2	10	7	7	12	35	52	96	86	-	71.8
Thomas..........	74	1	-	-	2	-	1	3	8	20	24	15	-	72.7
Trego...........	56	-	-	-	1	-	1	4	7	19	15	9	-	71.7
Wabaunsee.......	63	1	-	-	2	3	3	3	3	8	22	18	-	72.2
Wallace.........	19	-	-	1	1	1	1	1	-	1	5	8	-	71.2
Washington......	134	4	-	-	1	1	-	4	12	27	54	31	-	74.7
Wichita.........	21	1	-	2	2	2	1	1	1	4	3	4	-	54.4
Wilson..........	177	3	2	-	2	2	3	4	20	37	56	48	-	73.6
Woodson.........	79	-	1	2	-	1	1	5	14	10	27	18	-	71.9
Wyandotte.......	1,699	50	5	4	46	44	54	141	256	362	443	294	-	66.8

Table 31
Twenty Leading Causes of Death
By County of Residence
Kansas, 1979

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Congenital Anomalies	Aortic Aneurysm	Emphysema	Homicide	Hypertension	Ulcer of Stomach and Duodenum	Septicemia	Injury Undetermined Whether Accidentally or Purposely Inflicted	Vascular Insufficiency of Intestine
Kansas...........	8,106	4,212	2,070	1,142	593	437	354	295	207	201	189	147	145	140	130	79	77	73	63	60
Allen............	86	44	22	12	10	8	4	3	-	3	2	1	2	-	-	-	2	-	-	-
Anderson.........	56	25	11	8	4	1	3	1	2	2	-	-	2	-	-	-	2	-	-	-
Atchison.........	75	34	39	13	3	2	6	1	3	3	1	2	-	2	2	1	-	1	3	-
Barber...........	31	14	5	1	4	2	1	1	-	4	-	-	-	1	-	-	-	1	-	-
Barton...........	111	51	31	10	2	-	4	2	3	2	3	1	1	3	-	2	2	-	1	1
Bourbon..........	95	51	39	6	5	2	5	-	2	1	2	-	-	2	-	-	2	2	2	-
Brown............	69	31	16	6	1	10	1	-	2	-	-	1	2	-	-	-	-	1	-	-
Butler...........	161	75	41	34	7	6	4	4	2	2	3	1	3	3	1	1	-	1	-	4
Chase............	22	10	8	2	-	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Chautauqua.......	26	8	14	2	2	2	3	1	-	1	2	1	-	-	-	1	1	-	-	1
Cherokee.........	136	52	22	12	5	5	6	2	3	3	2	1	-	1	2	1	1	1	-	1
Cheyenne.........	19	11	7	2	2	2	2	1	-	-	-	-	-	-	-	-	1	-	-	-
Clark............	16	7	4	2	-	2	-	-	-	-	-	-	-	-	-	1	-	-	1	-
Clay.............	53	24	29	4	6	3	4	2	-	1	1	1	2	-	-	-	-	-	1	-
Cloud............	82	22	21	6	7	6	-	3	-	1	1	2	1	1	-	-	-	-	-	-
Coffey...........	57	19	9	12	2	-	-	4	1	5	2	-	3	-	-	-	-	1	-	-
Comanche.........	11	6	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
Cowley...........	138	65	53	10	12	14	7	1	5	6	5	3	2	4	1	1	4	3	1	2
Crawford.........	213	97	45	24	8	1	13	3	1	1	3	3	5	3	2	1	2	-	-	1
Decatur..........	25	10	2	6	2	1	-	2	-	-	-	-	1	-	-	-	-	-	-	-
Dickinson........	87	48	18	9	9	9	3	1	-	2	1	2	1	1	1	1	-	5	-	1
Doniphan.........	38	19	17	4	5	4	1	-	1	1	-	1	2	1	1	-	-	-	-	2
Douglas..........	121	65	34	18	12	14	2	5	5	2	2	2	5	1	1	4	1	1	4	1
Edwards..........	21	12	2	2	2	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-
Elk..............	29	17	6	2	2	5	1	-	-	-	-	-	-	-	-	1	-	-	1	-
Ellis............	48	32	8	14	4	2	5	2	2	3	4	1	2	-	-	2	2	-	-	-
Ellsworth........	47	9	7	7	4	1	3	-	-	-	-	-	-	-	-	1	-	-	-	-
Finney...........	49	25	18	10	4	1	4	1	-	-	2	-	1	-	1	1	-	1	2	2
Ford.............	64	39	31	11	3	5	6	4	1	1	5	-	-	3	1	2	1	1	2	1
Franklin.........	83	38	28	9	8	5	3	2	-	1	1	1	2	3	-	1	1	1	-	-

Table 31 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1979

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Congenital Anomalies	Aortic Aneurysm	Emphysema	Homicide	Hypertension	Ulcer of Stomach and Duodenum	Septicemia	Injury Undetermined Whether Accidentally or Purposely Inflicted	Vascular Insufficiency of Intestine
Geary.............	56	42	13	24	4	9	1	2	8	1	3	5	-	1	4	1	-	1	2	-
Gove..............	19	4	2	5	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	1
Graham............	10	11	5	3	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Grant.............	17	4	2	-	-	-	1	-	-	-	-	-	1	2	-	-	1	-	-	-
Gray..............	16	6	5	2	1	1	-	-	1	-	-	1	-	-	-	-	-	-	-	1
Greeley...........	6	2	2	1	-	2	-	-	-	1	-	-	-	2	-	-	-	-	-	-
Greenwood.........	78	13	11	3	2	2	-	2	1	1	1	-	1	-	-	-	1	-	-	-
Hamilton..........	7	5	1	4	2	-	1	1	-	1	-	2	-	-	-	-	-	-	1	-
Harper............	34	20	17	5	8	3	2	-	-	-	1	-	-	1	-	-	-	-	1	-
Harvey............	106	55	22	15	5	8	9	2	1	3	1	1	2	2	2	2	-	1	-	1
Haskell...........	7	6	-	3	1	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-
Hodgeman..........	6	3	3	2	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-
Jackson...........	46	34	11	10	2	9	3	2	1	-	-	-	-	1	-	-	-	-	1	-
Jefferson.........	44	24	18	4	5	4	-	5	1	1	1	-	1	2	-	-	-	-	-	-
Jewell............	31	14	1	3	3	2	4	-	-	-	-	-	-	-	-	-	1	-	1	-
Johnson...........	489	330	115	99	27	22	19	32	22	15	19	16	13	10	5	2	7	5	3	7
Kearny............	15	1	1	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-
Kingman...........	39	18	13	6	7	1	1	2	1	2	2	-	3	-	-	-	1	-	-	-
Kiowa.............	14	11	5	1	5	-	3	-	-	1	-	-	-	1	-	-	-	-	-	-
Labette...........	134	67	22	17	7	9	3	4	3	2	1	1	2	1	-	-	1	-	-	1
Lane..............	7	5	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Leavenworth.......	135	90	29	23	10	5	8	6	10	2	6	1	-	4	5	6	2	2	1	-
Lincoln...........	20	8	5	2	-	-	-	-	1	1	-	-	-	1	-	1	1	-	-	-
Linn..............	56	13	15	6	6	1	1	1	1	1	-	-	-	-	-	-	-	1	-	-
Logan.............	9	11	3	2	-	-	-	-	-	1	-	-	1	-	-	-	-	-	1	-
Lyon..............	118	48	32	15	9	1	5	3	1	4	1	5	4	1	1	2	3	3	2	-
Marion............	59	34	13	3	4	-	5	-	-	-	-	1	1	2	3	1	-	-	-	-
Marshall..........	99	31	19	13	2	5	1	1	3	3	1	1	2	3	-	1	1	2	-	-
McPherson.........	94	52	31	15	10	3	2	1	2	1	2	1	2	3	-	-	1	1	-	2
Meade.............	23	9	1	2	1	-	1	-	-	-	2	-	-	-	1	-	-	-	-	-

Table 31 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1979

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Congenital Anomalies	Aortic Aneurysm	Emphysema	Homicide	Hypertension	Ulcer of Stomach and Duodenum	Septicemia	Injury Undetermined Whether Accidentally or Purposely Inflicted	Vascular Insufficiency of Intestine
Miami............	108	30	17	17	4	8	5	2	1	5	2	3	1	-	-	-	-	1	-	-
Mitchell..........	39	20	7	3	6	10	3	-	1	1	1	-	2	2	-	2	1	-	1	-
Montgomery........	192	103	53	29	17	11	9	2	4	2	6	1	2	4	3	10	2	2	1	2
Morris............	41	15	13	3	-	4	2	-	-	-	-	1	4	2	-	-	-	-	-	-
Morton............	7	4	2	5	3	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Nemaha............	33	22	20	10	8	3	1	1	-	-	2	-	1	-	-	-	-	1	-	-
Neosho............	86	47	28	8	8	7	3	4	2	2	-	1	-	-	-	-	3	1	1	1
Ness..............	19	13	3	2	2	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-
Norton............	40	14	11	2	4	3	3	1	2	-	1	1	-	-	-	-	-	-	-	-
Osage.............	65	30	21	6	5	13	4	1	-	1	1	1	1	2	1	2	1	-	-	1
Osborne...........	41	11	11	6	3	2	2	1	1	3	1	-	-	-	-	-	-	-	-	-
Ottawa............	23	11	18	4	1	1	1	1	1	1	-	-	-	1	-	-	-	-	-	-
Pawnee............	66	20	6	5	2	1	2	1	1	1	-	-	3	1	-	-	-	-	-	-
Phillips..........	49	23	4	4	7	-	1	1	-	1	1	-	2	-	-	-	-	-	-	-
Pottawatomie......	49	21	21	12	9	4	5	4	1	2	1	3	-	1	-	-	2	-	1	-
Pratt.............	38	30	5	6	6	10	5	2	2	-	-	-	1	1	1	1	-	-	-	1
Rawlins...........	12	8	6	4	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Reno..............	240	132	75	28	19	12	5	11	4	3	7	6	5	3	-	4	2	-	1	2
Republic..........	53	22	14	3	6	3	5	2	1	-	-	-	-	-	-	-	-	-	-	-
Rice..............	58	29	15	9	5	1	1	1	-	3	2	1	2	-	-	1	-	-	-	-
Riley.............	92	52	22	17	12	6	-	3	4	1	2	1	2	2	5	-	1	-	-	-
Rooks.............	39	22	9	4	5	-	2	2	1	-	1	1	1	-	-	-	-	-	-	-
Rush..............	33	15	5	3	4	-	2	1	-	-	1	1	-	-	-	-	1	-	-	-
Russell...........	50	27	10	1	2	-	1	-	-	3	-	-	3	1	1	1	-	-	-	-
Saline............	150	75	58	12	9	9	2	8	2	3	6	9	3	3	-	-	2	3	1	2
Scott.............	7	7	6	4	1	5	1	1	-	2	1	-	-	-	-	-	-	1	-	-
Sedgwick..........	990	569	242	176	60	52	42	49	36	14	31	34	16	27	40	6	7	13	20	8
Seward............	44	22	13	15	6	1	3	3	-	1	4	-	1	1	1	-	-	-	-	-
Shawnee...........	480	255	102	57	47	9	26	31	20	18	12	5	8	8	9	-	4	4	2	4
Sheridan..........	19	6	4	2	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-

Table 31 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1979

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Congenital Anomalies	Aortic Aneurysm	Emphysema	Homicide	Hypertension	Ulcer of Stomach and Duodenum	Septicemia	Injury Undetermined Whether Accidentally or Purposely Inflicted	Vascular Insufficiency of Intestine
Sherman..........	33	10	6	1	2	-	-	1	-	-	-	1	-	-	-	-	-	1	-	-
Smith............	36	12	10	9	5	2	1	2	-	2	-	1	1	1	-	-	-	-	-	1
Stafford.........	43	10	5	5	2	-	1	-	1	2	-	1	-	-	-	1	-	-	-	-
Stanton..........	7	5	-	2	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Stevens..........	10	7	3	5	1	-	1	-	-	1	2	1	-	-	-	-	-	-	-	-
Sumner...........	119	60	30	16	4	13	3	4	2	2	1	1	2	-	-	2	-	1	-	1
Thomas...........	26	16	7	3	1	1	1	2	1	3	1	-	1	1	-	1	-	-	-	1
Trego............	8	20	6	4	2	2	2	2	-	-	-	-	1	1	1	-	-	-	-	-
Wabaunsee........	23	13	12	4	1	2	-	-	1	2	-	-	-	-	-	-	1	-	-	1
Wallace..........	5	6	2	1	-	1	-	1	-	-	-	-	-	-	-	-	1	-	-	1
Washington.......	55	31	10	2	7	3	3	-	3	3	1	-	-	1	-	1	-	1	-	-
Wichita..........	6	3	1	7	-	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-
Wilson...........	76	32	9	10	10	-	6	5	-	3	-	1	2	4	-	-	-	-	-	-
Woodson..........	28	15	12	6	-	4	1	1	-	2	-	-	-	1	-	-	-	-	-	-
Wyandotte........	605	386	128	61	40	24	31	29	24	21	16	13	9	4	33	6	6	5	3	3

Table 32
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1979

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis
Kansas.......	343.2	178.3	87.6	48.3	25.1	18.5	15.0	12.5	8.8	8.5
Allen........	534.0	273.2	136.6	74.5	62.1	49.7	24.8	18.6	-	18.6
Anderson.....	651.4	290.8	128.0	93.1	46.5	11.6	34.9	11.6	23.3	23.3
Atchison.....	424.1	192.2	220.5	73.5	17.0	11.3	33.9	5.7	17.0	17.0
Barber.......	475.8	214.9	76.7	15.3	61.4	30.7	15.3	15.3	-	61.4
Barton.......	347.6	159.7	97.1	31.3	6.3	-	12.5	6.3	9.4	6.3
Bourbon......	593.6	318.7	243.7	37.5	31.2	12.5	31.2	-	12.5	6.2
Brown........	589.8	265.0	136.8	51.3	8.5	85.5	8.5	-	17.1	-
Butler.......	368.5	171.7	93.8	77.8	16.0	13.7	9.2	9.2	4.6	4.6
Chase........	626.6	284.8	227.9	57.0	-	85.4	57.0	28.5	-	-
Chautauqua...	559.3	172.1	301.1	43.0	43.0	43.0	64.5	21.5	-	21.5
Cherokee.....	628.8	240.4	101.7	55.5	23.1	23.1	27.7	9.2	13.9	13.9
Cheyenne.....	483.7	280.0	178.2	50.9	50.9	50.9	50.9	25.5	-	-
Clark........	559.8	244.9	140.0	70.0	-	70.0	-	-	-	-
Clay.........	523.0	236.8	286.2	39.5	59.2	29.6	39.5	19.7	-	9.9
Cloud........	643.7	172.7	164.9	47.1	55.0	47.1	-	23.6	-	7.9
Coffey.......	652.0	217.3	102.9	137.3	22.9	-	-	45.8	11.4	57.2
Comanche.....	399.1	217.7	108.9	72.6	-	-	-	36.3	-	-
Cowley.......	394.2	185.7	151.4	28.6	34.3	40.0	20.0	2.9	14.3	17.1
Crawford.....	569.9	259.5	120.4	64.2	21.4	2.7	34.8	8.0	2.7	2.7
Decatur......	492.9	197.2	39.4	118.3	39.4	19.7	-	39.4	-	-
Dickinson....	414.4	228.6	85.7	42.9	42.9	42.9	14.3	4.8	-	9.5
Doniphan.....	421.5	210.7	188.6	44.4	55.5	44.4	11.1	-	11.1	11.1
Douglas......	178.7	96.0	50.2	26.6	17.7	20.7	3.0	7.4	7.4	3.0
Edwards......	460.1	262.9	43.8	43.8	43.8	-	43.8	-	-	43.8
Elk..........	730.8	428.4	151.2	50.4	50.4	126.0	25.2	-	-	-
Ellis........	176.1	117.4	29.3	51.4	14.7	7.3	18.3	7.3	7.3	11.0
Ellsworth....	742.0	142.1	110.5	110.5	63.2	15.8	47.4	-	-	-
Finney.......	198.9	101.5	73.1	40.6	16.2	4.1	16.2	4.1	-	-
Ford.........	264.5	161.2	128.1	45.5	12.4	20.7	24.8	16.5	4.1	4.1
Franklin.....	396.0	181.3	133.6	43.0	38.2	23.9	14.3	9.5	-	4.8
Geary........	190.7	143.0	44.3	81.7	13.6	30.6	3.4	6.8	27.2	3.4
Gove.........	478.6	100.8	50.4	125.9	-	25.2	25.2	-	-	-
Graham.......	235.5	259.1	117.8	70.7	-	-	13.2	-	-	-
Grant........	224.2	52.8	26.4	-	-	-	-	-	-	-
Gray.........	293.8	110.2	91.8	36.7	18.4	18.4	-	-	18.4	-

Table 32 (cont.)
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1979

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis
Greeley......	318.1	106.0	106.0	53.0	-	106.0	-	-	-	53.0
Greenwood....	829.6	138.3	117.0	31.9	21.3	21.3	-	21.3	10.6	10.6
Hamilton.....	234.3	167.4	33.5	133.9	67.0	-	33.5	33.5	-	33.5
Harper.......	428.8	252.2	214.4	63.1	100.9	37.8	25.2	-	-	-
Harvey.......	353.6	183.5	73.4	50.0	16.7	26.7	30.0	6.7	3.3	10.0
Haskell......	164.9	141.3	-	70.7	23.6	-	-	-	-	-
Hodgeman.....	234.8	117.4	117.4	78.3	-	-	39.1	-	-	-
Jackson......	373.5	276.0	89.3	81.2	16.2	73.1	24.4	16.2	8.1	-
Jefferson....	299.1	163.1	122.4	27.2	34.0	27.2	-	34.0	6.8	6.8
Jewell.......	540.5	244.1	17.4	52.3	52.3	34.9	69.7	-	-	-
Johnson......	183.0	123.5	43.0	37.0	10.1	8.2	7.1	12.0	8.2	5.6
Kearny.......	393.8	26.3	26.3	-	-	26.3	-	26.3	26.3	26.3
Kingman......	433.4	200.0	144.5	66.7	77.8	11.1	11.1	22.2	11.1	22.2
Kiowa........	335.7	263.8	119.9	24.0	119.9	-	71.9	-	-	24.0
Labette......	524.6	262.3	86.1	66.6	27.4	35.2	11.7	15.7	11.7	7.8
Lane.........	260.5	186.1	37.2	37.2	-	-	-	-	-	37.2
Leavenworth..	244.5	163.0	52.5	41.7	18.1	9.1	14.5	10.9	18.1	3.6
Lincoln......	439.0	175.6	109.7	43.9	-	-	-	-	21.9	21.9
Linn.........	631.8	146.7	169.2	67.7	67.7	11.3	11.3	11.3	11.3	11.3
Logan........	245.2	299.7	81.7	54.5	-	-	-	-	-	27.2
Lyon.........	341.7	139.0	92.7	43.4	26.1	2.9	14.5	8.7	2.9	11.6
Marion.......	444.0	255.9	97.8	22.6	30.1	-	37.6	7.5	-	-
Marshall.....	724.0	226.7	139.0	95.1	14.6	36.6	7.3	7.3	21.9	21.9
McPherson....	358.2	198.1	118.1	57.2	38.1	11.4	7.6	3.8	7.6	3.8
Meade........	443.4	173.5	19.3	38.6	19.3	-	19.3	-	-	-
Miami........	482.8	134.1	76.0	76.0	17.9	35.8	22.4	8.9	4.5	22.4
Mitchell.....	480.2	246.3	86.2	36.9	73.9	123.1	36.9	-	12.3	12.3
Montgomery...	473.6	254.1	130.7	71.5	41.9	27.1	22.2	4.9	9.9	4.9
Morris.......	591.2	216.3	187.5	43.3	-	57.7	28.8	-	-	-
Morton.......	192.3	109.9	54.9	137.3	82.4	-	27.5	-	-	-
Nemaha.......	288.1	192.0	174.6	87.3	69.8	26.2	8.7	8.7	-	-
Neosho.......	458.2	250.4	149.2	42.6	42.6	37.3	16.0	21.3	10.7	10.7
Ness.........	401.3	274.6	63.4	42.2	42.2	21.1	-	21.1	-	-
Norton.......	605.9	212.1	166.6	30.3	60.6	45.4	45.4	15.1	30.3	-
Osage........	442.2	204.1	142.9	40.8	34.0	88.4	27.2	6.8	-	6.8

Table 32 (cont.)
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1979

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis
Osborne......	645.8	173.3	173.3	94.5	47.3	31.5	31.5	15.8	15.8	47.3
Ottawa.......	358.5	171.4	280.5	62.3	15.6	15 6	15.6	15.6	15.6	15.6
Pawnee.......	777.2	235.5	70.7	58.9	23.6	11.8	23.6	11.8	11.8	11.8
Phillips.....	628.0	294.8	51.3	51.3	89.7	-	12.8	12.8	-	12.8
Pottawatomie.	343.0	147.0	147.0	84.0	63.0	28.0	35.0	28.0	7.0	14.0
Pratt........	372.0	293.7	48.9	58.7	58.7	97.9	48.9	19.6	19.6	-
Rawlins......	280.5	187.0	140.3	93.5	-	46.8	-	-	-	23.4
Reno.........	373.9	205.7	116.9	43.6	29.6	18.7	7.8	17.1	6.2	4.7
Republic.....	703.8	292.1	185.9	39.8	79.7	39.8	66.4	26.6	13.3	-
Rice.........	468.5	234.2	121.2	72.7	40.4	8.1	8.1	8.1	-	24.2
Riley........	136.4	77.1	32.6	25.2	17.8	8.9	-	4.4	5.9	1.5
Rooks........	532.7	300.5	122.9	54.6	68.3	-	27.3	27.3	13.7	-
Rush.........	678.9	308.6	102.9	61.7	82.3	-	41.1	20.6	-	-
Russell......	549.6	296.8	109.9	11.0	22.0	-	11.0	-	-	33.0
Saline.......	295.3	147.7	114.2	23.6	17.7	17.7	3.9	15.8	3.9	5.9
Scott........	112.3	112.3	96.2	64.2	16.0	80.2	16.0	16.0	-	32.1
Sedgwick.....	281.2	161.6	68.7	50.0	17.0	14.8	11.9	13.9	10.2	4.0
Seward.......	255.5	127.7	75.5	87.1	34.8	5.8	17.4	17.4	-	5.8
Shawnee......	303.4	161.2	64.5	36.0	29.7	5.7	16.4	19.6	12.6	11.4
Sheridan.....	475.6	150.2	100.1	50.1	-	25.0	-	-	-	-
Sherman......	405.7	122.9	73.8	12.3	24.6	-	-	12.3	-	-
Smith........	559.1	186.4	155.3	139.8	77.7	31.1	15.5	31.1	-	31.1
Stafford.....	672.6	156.4	78.2	78.2	31.3	-	15.6	-	15.6	31.3
Stanton......	255.7	182.6	-	73.0	36.5	-	-	-	-	36.5
Stevens......	200.5	140.4	60.2	100.3	20.1	-	20.1	-	-	20.1
Sumner.......	487.8	245.9	123.0	65.6	16.4	53.3	12.3	16.4	8.2	8.2
Thomas.......	297.4	183.0	80.1	34.3	11.4	11.4	11.4	22.9	11.4	34.3
Trego........	176.6	441.4	132.4	88.3	44.1	44.1	44.1	44.1	-	-
Wabaunsee....	324.3	183.3	169.2	56.4	14.1	28.2	-	-	14.1	28.2
Wallace......	233.4	280.1	93.4	46.7	-	46.7	-	46.7	-	-
Washington...	608.1	342.7	110.6	22.1	77.4	33.2	33.2	-	33.2	33.2
Wichita......	178.6	89.3	29.8	208.3	-	29.8	-	-	-	29.8
Wilson.......	630.3	265.4	74.6	82.9	82.9	-	49.8	41.5	-	24.9
Woodson......	674.0	361.1	288.9	144.4	-	96.3	24.1	24.1	-	48.1
Wyandotte....	355.0	226.5	75.1	35.8	23.5	14.1	18.2	17.0	14.1	12.3

Table 33
Marriages by Number and Rate
By County of Marriage
Kansas, 1975-1979

County of Marriage	Year									
	1975		1976		1977		1978		1979	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas	23,767	10.3	23,559	10.1	23,673	10.1	23,975	10.2	24,774	10.5
Allen	177	11.5	177	11.2	157	10.0	152	9.5	164	10.2
Anderson	64	7.5	86	10.2	83	10.0	103	12.4	86	10.0
Atchison	178	8.4	168	8.1	175	8.1	153	7.4	174	9.8
Barber	67	9.7	70	10.2	85	12.8	65	9.8	71	10.9
Barton	350	9.7	355	9.8	372	10.0	376	9.9	337	10.6
Bourbon	162	10.3	170	10.7	169	10.1	157	9.5	170	10.6
Brown	122	9.3	123	9.5	127	9.8	118	9.3	99	8.5
Butler	380	9.6	378	9.2	402	9.5	427	9.7	434	9.9
Chase	50	14.1	56	15.9	37	10.9	26	7.8	37	10.5
Chautauqua	95	18.8	82	16.2	54	10.7	52	10.3	61	13.1
Cherokee	216	9.6	175	7.6	159	7.1	164	6.9	176	8.1
Cheyenne	50	12.5	26	6.3	42	10.5	46	11.6	34	8.7
Clark	22	7.8	26	9.1	22	8.0	23	8.5	29	10.1
Clay	94	9.3	106	10.5	88	8.8	111	11.1	112	11.1
Cloud	117	8.3	140	9.9	123	8.7	119	8.6	135	10.6
Coffey	46	5.6	80	10.2	76	9.5	88	10.9	84	9.6
Comanche	26	9.2	24	8.6	16	5.6	23	8.6	22	8.0
Cowley	371	10.7	353	10.0	342	9.7	360	10.2	381	10.9
Crawford	323	8.5	336	8.8	262	6.9	305	8.0	321	8.6
Decatur	81	16.1	77	15.4	62	12.6	70	14.3	50	9.9
Dickinson	189	8.6	222	10.0	271	12.0	242	10.7	261	12.4
Doniphan	126	12.5	114	11.4	83	8.3	115	11.8	111	12.3
Douglas	658	10.3	599	9.9	674	10.7	576	8.7	657	9.7
Edwards	44	9.8	57	12.4	55	12.3	38	8.7	50	11.0
Elk	24	5.9	31	7.6	39	9.7	31	7.7	30	7.6
Ellis	318	13.1	287	11.7	274	10.9	278	10.9	275	10.1
Ellsworth	71	9.8	72	10.0	58	8.0	74	10.4	70	11.1
Finney	251	10.8	254	10.1	289	11.0	255	8.9	271	11.0
Ford	283	11.6	281	11.4	261	10.4	274	11.0	280	11.6
Franklin	221	10.7	231	11.1	219	10.3	222	10.4	215	10.3
Geary	544	22.2	589	23.5	509	21.7	567	24.4	629	21.4
Gove	20	5.0	28	7.0	28	7.0	30	7.6	37	9.3
Graham	48	10.4	53	11.6	48	10.7	43	9.6	36	8.5
Grant	87	12.3	78	10.8	89	12.1	84	11.6	79	10.4
Gray	53	10.7	75	14.5	52	9.9	40	7.7	57	10.5
Greeley	20	9.0	24	10.6	25	11.4	23	11.0	24	12.7
Greenwood	88	9.6	86	9.4	84	9.2	76	8.5	90	9.6
Hamilton	35	11.4	27	8.6	26	8.3	24	7.8	43	14.4
Harper	117	14.4	70	8.7	53	6.6	70	8.7	59	7.4
Harvey	405	14.0	301	10.3	320	11.1	327	11.4	330	11.0
Haskell	24	5.9	32	7.7	48	11.4	33	8.0	33	7.8
Hodgeman	14	5.1	24	8.9	31	11.7	24	9.3	20	7.8
Jackson	112	9.,9	118	10.3	93	8.0	73	6.3	97	7.9
Jefferson	68	5.3	122	9.2	143	10.3	148	10.5	144	9.8
Jewell	44	7.3	59	10.0	54	9.2	56	9.7	55	9.6
Johnson	1,739	7.2	1,940	8.0	2,125	8.5	2,187	8.5	2,364	8.8
Kearny	39	11.8	43	12.9	44	12.9	38	11.0	49	12.9
Kingman	76	7.6	74	7.4	119	11.8	99	10.1	91	10.1
Kiowa	36	8.9	50	12.0	43	10.1	33	7.9	40	9.6
Labette	164	6.5	189	7.7	186	7.4	196	7.8	198	7.8
Lane	26	9.1	23	8.1	29	10.2	24	8.6	17	6.3
Leavenworth	487	9.6	445	8.7	446	8.6	459	8.8	448	8.1
Lincoln	44	9.2	39	8.1	41	8.6	28	6.0	38	8.3
Linn	51	6.1	65	7.9	62	7.5	79	9.3	72	8.1
Logan	52	13.7	52	13.3	49	13.0	52	14.2	42	11.4

Table 33 (cont.)
Marriages by Number and Rate
By County of Marriage
Kansas, 1975-1979

County of Marriage	Year									
	1975		1976		1977		1978		1979	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon............	413	13.3	291	8.9	329	9.6	360	9.9	384	11.1
Marion..........	102	6.3	140	8.7	117	7.1	128	7.9	133	10.0
Marshall........	158	11.4	140	10.0	157	11.6	127	9.5	142	10.4
McPherson.......	233	9.3	250	9.8	255	9.9	273	10.5	251	9.6
Meade...........	37	7.3	54	10.7	45	8.8	35	7.0	51	9.8
Miami...........	190	9.1	200	9.7	184	8.7	185	8.4	198	8.9
Mitchell........	89	11.0	74	9.1	89	11.1	74	9.1	66	8.1
Montgomery......	414	9.7	393	9.1	397	9.1	408	9.3	380	9.4
Morris..........	71	10.3	59	8.5	71	10.3	86	12.7	81	11.7
Morton..........	33	9.4	47	13.4	35	10.0	43	12.4	44	12.1
Nemaha..........	93	7.7	110	9.1	96	7.9	107	8.9	101	8.8
Neosho..........	183	10.3	191	10.8	181	10.1	144	7.9	154	8.2
Ness............	37	8.0	36	7.9	41	8.5	52	11.1	39	8.2
Norton..........	83	11.5	76	10.7	69	9.7	74	10.2	84	12.7
Osage...........	92	6.9	147	10.8	143	10.4	138	9.7	163	11.1
Osborne.........	56	8.8	56	8.8	43	6.8	51	8.2	42	6.6
Ottawa..........	56	8.7	59	9.2	59	9.3	55	8.7	44	6.9
Pawnee..........	89	11.0	82	10.2	95	11.9	81	10.4	94	11.1
Phillips........	111	13.4	73	8.8	85	10.2	81	10.1	93	11.9
Pottawatomie....	88	6.8	95	7.1	132	9.6	110	7.7	115	8.1
Pratt...........	99	10.8	120	12.3	113	11.5	84	8.6	99	9.7
Rawlins.........	41	9.5	44	10.2	54	12.7	36	8.6	47	11.0
Reno............	733	11.3	769	11.8	718	11.0	747	11.4	763	11.9
Republic........	119	14.4	85	10.2	106	12.8	89	10.9	87	11.6
Rice............	108	9.2	125	10.7	126	10.5	119	10.0	122	9.9
Riley...........	574	14.0	425	10.2	471	11.2	515	12.3	484	7.2
Rooks...........	50	6.8	84	11.2	71	9.8	86	11.6	73	10.0
Rush............	33	6.2	51	9.8	47	9.2	37	7.5	35	7.2
Russell.........	85	8.8	111	11.5	84	8.9	90	9.6	113	12.4
Saline..........	597	12.5	529	10.6	572	11.8	552	11.7	556	10.9
Scott...........	78	12.1	68	10.1	64	9.2	81	12.2	66	10.6
Sedgwick........	4,323	12.7	4,184	12.2	4,102	12.0	4,261	12.5	4,514	12.8
Seward..........	224	13.5	178	10.7	186	10.9	186	10.7	190	11.0
Shawnee.........	1,592	9.2	1,525	8.7	1,652	9.3	1,649	9.2	1,651	10.4
Sheridan........	29	7.5	39	10.4	30	7.9	24	6.2	34	8.5
Sherman.........	92	10.9	98	11.6	83	9.7	78	9.6	94	11.6
Smith...........	81	12.3	78	12.0	63	9.6	65	10.1	68	10.6
Stafford........	58	9.3	57	9.2	48	7.8	59	9.5	46	7.2
Stanton.........	33	13.1	25	9.4	21	7.7	29	11.6	26	9.5
Stevens.........	47	9.7	43	9.5	48	10.1	67	14.2	52	10.4
Sumner..........	210	8.7	245	10.2	300	12.4	314	12.9	301	12.3
Thomas..........	101	12.9	85	10.5	79	9.5	84	10.2	79	9.0
Trego...........	55	12.1	36	8.0	38	8.4	34	7.7	46	10.2
Wabaunsee.......	23	3.4	60	8.9	66	9.7	51	7.5	63	8.9
Wallace.........	21	9.4	28	12.5	22	9.7	32	14.3	24	11.2
Washington......	56	6.0	64	7.0	84	9.3	83	9.2	86	9.5
Wichita.........	23	6.2	38	10.4	36	10.4	36	10.7	29	8.6
Wilson..........	102	7.2	128	9.9	123	9.9	100	7.6	113	9.4
Woodson.........	39	8.1	47	10.0	50	10.6	33	7.0	45	10.8
Wyandotte.......	1,944	10.3	1,855	9.9	1,770	9.8	1,886	10.4	1,920	11.3

Table 34
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1975-1979

County of Action	Year									
	1975		1976		1977		1978		1979	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas..........	12,561	5.4	12,833	5.5	12,629	5.4	12,668	5.4	12,749	5.4
Allen...........	82	5.3	62	3.9	110	7.0	112	7.0	121	7.5
Anderson........	24	2.8	16	1.9	22	2.6	20	2.4	23	2.7
Atchison........	88	4.1	77	3.7	65	3.0	105	5.1	85	4.8
Barber..........	36	5.2	32	4.6	32	4.8	26	3.9	29	4.5
Barton..........	147	4.1	165	4.5	222	6.0	163	4.3	189	5.9
Bourbon.........	92	5.8	88	5.6	87	5.2	76	4.6	125	7.8
Brown...........	43	3.3	40	3.1	29	2.2	51	4.0	49	4.2
Butler..........	182	4.6	206	5.0	202	4.8	225	5.1	256	5.9
Chase...........	12	3.4	12	3.4	14	4.1	14	4.2	9	2.6
Chautauqua......	22	4.4	20	4.0	22	4.4	24	4.7	30	6.5
Cherokee........	123	5.5	116	5.0	101	4.5	131	5.5	172	8.0
Cheyenne........	8	2.0	11	2.7	12	3.0	12	3.0	8	2.0
Clark...........	-	-	-	-	-	-	1	0.4	4	1.4
Clay............	45	4.4	37	3.7	40	4.0	41	4.1	35	3.5
Cloud...........	45	3.2	39	2.8	51	3.6	42	3.0	49	3.8
Coffey..........	26	3.1	29	3.7	40	5.0	53	6.5	42	4.8
Comanche........	16	5.6	10	3.6	5	1.8	7	2.6	7	2.5
Cowley..........	231	6.6	219	6.2	243	6.9	225	6.4	222	6.3
Crawford........	193	5.1	194	5.1	167	4.4	175	4.6	232	6.2
Decatur.........	6	1.2	16	3.2	15	3.0	16	3.3	13	2.6
Dickinson.......	75	3.4	82	3.7	58	2.6	67	3.0	76	3.6
Doniphan........	30	3.0	33	3.3	37	3.7	43	4.4	38	4.2
Douglas.........	343	5.4	364	6.0	389	6.2	366	5.6	398	5.9
Edwards.........	15	3.3	16	3.5	23	5.2	19	4.3	25	5.5
Elk.............	13	3.2	11	2.7	7	1.7	15	3.7	14	3.5
Ellis...........	68	2.8	86	3.5	93	3.7	111	4.3	95	3.5
Ellsworth.......	22	3.0	26	3.6	22	3.0	24	3.4	26	4.1
Finney..........	129	5.5	135	5.4	149	5.7	168	5.8	222	9.0
Ford............	109	4.4	146	5.9	160	6.4	130	5.2	139	5.7
Franklin........	110	5.3	106	5.1	97	4.6	143	6.7	116	5.5
Geary...........	322	13.2	390	15.6	373	15.9	307	13.2	340	11.6
Gove............	5	1.3	7	1.8	7	1.8	9	2.3	5	1.3
Graham..........	18	3.9	16	3.5	13	2.9	11	2.5	13	3.1
Grant...........	34	4.8	45	6.3	36	4.9	35	4.8	45	5.9
Gray............	16	3.2	15	2.9	11	2.1	12	2.3	16	2.9
Greeley.........	8	3.6	7	3.1	8	3.6	8	3.8	10	5.3
Greenwood.......	55	6.0	44	4.8	36	4.0	54	6.1	47	5.0
Hamilton........	16	5.2	15	4.8	20	6.4	13	4.2	13	4.4
Harper..........	33	4.1	32	4.0	20	2.5	32	4.0	26	3.3
Harvey..........	138	4.8	144	4.9	149	5.2	141	4.9	119	4.0
Haskell.........	14	3.4	25	6.0	10	2.4	14	3.4	15	3.5
Hodgeman........	5	1.8	1	0.4	4	1.5	3	1.2	8	3.1
Jackson.........	30	2.7	42	3.7	36	3.1	61	5.3	50	4.1
Jefferson.......	48	3.7	35	2.6	37	2.7	48	3.4	33	2.2
Jewell..........	16	2.7	17	2.9	16	2.7	18	3.1	14	2.4
Johnson.........	1,156	4.8	1,274	5.2	1,103	4.4	1,075	4.2	1,086	4.1
Kearny..........	10	3.0	17	5.1	13	3.8	10	2.9	17	4.5
Kingman.........	30	3.0	46	4.6	38	3.8	49	5.0	34	3.8
Kiowa...........	9	2.2	10	2.4	10	2.3	10	2.4	14	3.4
Labette.........	126	5.0	122	5.0	161	6.4	141	5.6	137	5.4
Lane............	5	1.8	7	2.5	14	4.9	14	5.0	8	3.0
Leavenworth.....	294	5.8	330	6.4	364	7.0	355	6.8	344	6.2
Lincoln.........	16	3.3	17	3.5	18	3.8	15	3.2	10	2.2
Linn............	28	3.3	34	4.1	26	3.1	36	4.2	30	3.4
Logan...........	10	2.6	5	1.3	13	3.4	8	2.2	12	3.3

Table 34 (cont.)
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1975-1979

County of Action	Year									
	1975		1976		1977		1978		1979	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon............	155	5.0	155	4.7	160	4.7	166	4.6	192	5.6
Marion..........	40	2.5	32	2.0	32	1.9	39	2.4	23	1.7
Marshall........	27	1.9	39	2.8	25	1.8	41	3.1	30	2.2
McPherson.......	84	3.3	111	4.4	77	3.0	102	3.9	92	3.5
Meade...........	9	1.8	18	3.6	24	4.7	17	3.4	11	2.1
Miami...........	110	5.3	94	4.6	112	5.3	128	5.8	100	4.5
Mitchell........	29	3.6	29	3.6	20	2.5	27	3.3	30	3.7
Montgomery......	263	6.2	231	5.4	207	4.8	249	5.7	284	7.0
Morris..........	36	5.2	21	3.0	26	3.8	21	3.1	39	5.6
Morton..........	15	4.3	23	6.6	11	3.2	10	2.9	14	3.8
Nemaha..........	20	1.7	16	1.3	24	2.0	22	1.8	17	1.5
Neosho..........	68	3.8	76	4.3	88	4.9	73	4.0	82	4.4
Ness............	11	2.4	6	1.3	10	2.1	6	1.3	14	3.0
Norton..........	21	2.9	12	1.7	16	2.3	24	3.3	31	4.7
Osage...........	38	2.8	62	4.6	53	3.8	32	2.2	40	2.7
Osborne.........	20	3.1	22	3.5	10	1.6	29	4.6	16	2.5
Ottawa..........	21	3.3	21	3.3	15	2.4	28	4.4	26	4.1
Pawnee..........	30	3.7	30	3.7	34	4.3	37	4.7	33	3.9
Phillips........	18	2.2	29	3.5	18	2.2	34	4.2	33	4.2
Pottawatomie....	48	3.7	56	4.2	45	3.3	60	4.2	61	4.3
Pratt...........	47	5.1	51	5.2	72	7.4	46	4.7	73	7.1
Rawlins.........	6	1.4	9	2.1	17	4.0	12	2.9	12	2.8
Reno............	402	6.2	360	5.5	465	7.1	491	7.5	445	6.9
Republic........	17	2.1	20	2.4	19	2.3	24	2.9	19	2.5
Rice............	44	3.8	42	3.6	44	3.7	32	2.7	32	2.6
Riley...........	196	4.8	165	3.9	203	4.8	236	5.6	245	3.6
Rooks...........	30	4.1	20	2.7	23	3.2	16	2.2	10	1.4
Rush............	9	1.7	10	1.9	6	1.2	12	2.4	14	2.9
Russell.........	48	4.9	35	3.6	38	4.0	39	4.1	35	3.8
Saline..........	278	5.8	281	5.6	326	6.7	339	7.2	251	4.9
Scott...........	19	2.9	29	4.3	19	2.7	26	3.9	28	4.5
Sedgwick........	2,865	8.4	3,007	8.8	2,869	8.4	3,007	8.8	2,967	8.4
Seward..........	100	6.0	116	7.0	147	8.6	105	6.1	83	4.8
Shawnee.........	1,206	7.0	1,069	6.1	975	5.5	803	4.5	846	5.3
Sheridan........	9	2.3	10	2.7	3	0.8	5	1.3	6	1.5
Sherman.........	46	5.5	38	4.5	32	3.8	40	4.9	44	5.4
Smith...........	8	1.2	14	2.2	17	2.6	19	3.0	15	2.3
Stafford........	23	3.7	28	4.5	21	3.4	23	3.7	15	2.3
Stanton.........	14	5.5	13	4.9	12	4.4	13	5.2	5	1.8
Stevens.........	26	5.3	22	4.9	23	4.8	23	4.9	29	5.8
Sumner..........	91	3.8	102	4.3	111	4.6	129	5.3	98	4.0
Thomas..........	38	4.9	38	4.7	31	3.7	36	4.4	33	3.8
Trego...........	7	1.5	6	1.3	20	4.4	15	3.4	8	1.8
Wabaunsee.......	11	1.6	17	2.5	17	2.5	11	1.6	16	2.3
Wallace.........	4	1.8	6	2.7	6	2.6	9	4.0	5	2.3
Washington......	21	2.3	17	1.9	20	2.2	23	2.5	6	0.7
Wichita.........	14	3.8	5	1.4	17	4.9	14	4.2	15	4.5
Wilson..........	66	4.6	65	5.0	63	5.1	72	5.5	65	5.4
Woodson.........	16	3.3	24	5.1	8	1.7	17	3.6	21	5.1
Wyandotte.......	1,060	5.6	1,040	5.6	948	5.2	802	4.4	845	5.0

Table 35
Population, Live Births and Total Deaths
By City and County of Residence
Kansas, 1978 and 1979

City of Residence and County	1978					1979				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Allen										
Iola............	6,968	104	14.9	112	16.1	6,917	112	16.2	115	16.6
Anderson										
Garnett.........	3,145	47	14.9	48	15.3	3,213	38	11.8	59	18.4
Atchison										
Atchison........	12,443	180	14.5	175	14.1	10,657	177	16.6	157	14.7
Barber										
Medicine Lodge..	2,464	30	12.2	37	15.0	2,373	37	15.6	26	11.0
Barton										
Great Bend......	21,046	291	13.8	172	8.2	16,372	274	16.7	131	8.0
Hoisington......	4,558	76	16.7	33	7.2	3,879	57	14.7	46	11.9
Bourbon										
Fort Scott......	9,511	119	12.5	152	16.0	8,786	137	15.6	148	16.8
Brown										
Hiawatha........	3,818	48	12.6	43	11.3	3,435	58	16.9	46	13.4
Butler										
Augusta.........	7,344	121	16.5	60	8.2	6,602	105	15.9	73	11.1
El Dorado.......	12,529	210	16.8	121	9.7	12,224	155	12.7	141	11.5
Cherokee										
Baxter Springs..	5,203	65	12.5	61	11.7	4,379	78	17.8	60	13.7
Columbus........	3,597	40	11.1	74	20.6	3,254	56	17.2	54	16.6
Galena..........	3,731	52	13.9	49	13.1	3,257	63	19.3	55	16.9
Clay										
Clay Center.....	5,036	71	14.1	75	14.9	5,069	62	12.2	88	17.4
Cloud										
Concordia.......	7,735	89	11.5	108	14.0	6,586	93	14.1	93	14.1
Cowley										
Arkansas City...	13,418	206	15.4	156	11.6	12,655	229	18.1	168	13.3
Winfield........	10,291	153	14.9	128	12.4	10,997	150	13.6	130	11.8
Crawford										
Girard..........	2,809	35	12.5	42	15.0	2,643	49	18.5	34	12.9
Pittsburg.......	20,058	229	11.4	243	12.1	18,442	275	14.9	243	13.2
Dickinson										
Abilene.........	7,378	114	15.5	120	16.3	6,563	101	15.4	88	13.4
Herington.......	3,686	35	9.5	28	7.6	3,086	41	13.3	49	15.9
Douglas										
Baldwin City....	2,616	25	9.6	20	7.6	2,610	32	12.3	19	7.3
Lawrence........	50,814	679	13.4	249	4.9	53,090	668	12.6	248	4.7
Ellis										
Hays............	16,648	340	20.4	107	6.4	17,746	316	17.8	98	5.5
Finney										
Garden City.....	20,729	356	17.2	140	6.8	19,221	418	21.7	113	5.9
Ford										
Dodge City......	17,892	320	17.9	126	7.0	15,692	338	21.5	147	9.4
Franklin										
Ottawa..........	10,693	147	13.7	136	12.7	10,398	194	18.7	115	11.1
Geary										
Junction City...	18,657	765	41.0	170	9.1	19,048	747	39.2	155	8.1
Grant										
Ulysses.........	4,556	110	24.1	33	7.2	4,635	96	20.7	28	6.0
Greenwood										
Eureka..........	3,437	39	11.3	77	22.4	3,558	33	9.3	61	17.1
Harper										
Anthony.........	2,765	32	11.6	22	8.0	2,627	34	12.9	40	15.2
Harvey										
Newton..........	15,838	260	16.4	171	10.8	15,790	250	15.8	166	10.5
Jackson										
Holton..........	3,207	33	10.3	71	22.1	3,094	45	14.5	49	15.8
Johnson										
Fairway.........	4,745	34	7.2	40	8.4	6,377	45	7.1	40	6.3
Leawood.........	13,074	91	7.0	80	6.1	13,082	109	8.3	87	6.7
Lenexa..........	16,212	300	18.5	77	4.7	14,194	322	22.7	74	5.2
Merriam.........	10,318	137	13.3	45	4.4	11,898	168	14.1	52	4.4
Mission.........	8,912	101	11.3	66	7.4	8,712	100	11.5	78	9.0
Mission Hills...	4,223	7	1.7	30	7.1	4,455	11	2.5	30	6.7

Table 35 (cont.)
Population, Live Births and Total Deaths
By City and County of Residence
Kansas, 1978 and 1979

City of Residence and County	1978					1979				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Johnson (cont.)										
Olathe..........	27,932	644	23.1	132	4.7	32,920	828	25.2	154	4.7
Overland Park....	82,400	958	11.6	357	4.3	84,452	1,004	11.9	378	4.5
Prairie Village..	26,343	312	11.8	167	6.3	26,252	300	11.4	166	6.3
Roeland Park.....	8,478	84	9.9	47	5.5	12,737	98	7.7	64	5.0
Shawnee..........	27,405	431	15.7	125	4.6	26,129	470	18.0	126	4.8
Kingman										
Kingman..........	3,737	39	10.4	50	13.4	3,614	50	13.8	49	13.6
Labette										
Parsons..........	12,614	196	15.5	175	13.9	12,097	215	17.8	170	14.1
Leavenworth										
Lansing..........	4,233	79	18.7	32	7.6	4,117	67	16.3	24	5.8
Leavenworth......	31,677	510	16.1	297	9.4	34,272	493	14.4	259	7.6
Lyon										
Emporia..........	26,174	429	16.4	203	7.8	24,177	448	18.5	208	8.6
Marion										
Hillsboro........	2,919	44	15.1	36	12.3	2,290	44	19.2	25	10.9
Marshall										
Marysville.......	3,616	56	15.5	57	15.8	3,714	44	11.8	63	17.0
McPherson										
Lindsborg........	2,412	29	12.0	34	14.1	3,020	25	8.3	43	14.2
McPherson........	11,559	174	15.1	124	10.7	11,118	199	17.9	102	9.2
Miami										
Osawatomie.......	4,367	58	13.3	62	14.2	4,519	63	13.9	57	12.6
Paola............	4,815	71	14.7	51	10.6	4,856	66	13.6	64	13.2
Mitchell										
Beloit...........	4,205	50	11.9	57	13.6	4,177	65	15.6	66	15.8
Montgomery										
Cherryvale.......	3,019	41	13.6	59	19.5	2,678	43	16.1	43	16.1
Coffeyville......	15,790	228	14.4	217	13.7	14,356	260	18.1	176	12.3
Independence.....	11,082	172	15.5	152	13.7	10,439	169	16.2	154	14.8
Neosho										
Chanute..........	10,069	164	16.3	157	15.6	10,012	163	16.3	130	13.0
Norton										
Norton...........	3,625	38	10.5	50	13.8	3,414	43	12.6	51	14.9
Osage										
Osage City.......	2,619	23	8.8	36	13.7	2,419	24	9.9	51	21.1
Pawnee										
Larned...........	4,849	70	14.4	68	14.0	4,735	69	14.6	82	17.3
Phillips										
Phillipsburg.....	3,399	37	10.9	33	9.7	3,167	48	15.2	42	13.3
Pottawatomie										
Manhattan (Part).	166	1	6.0	2	12.0	877	2	2.3	2	2.3
Wamego...........	2,994	61	20.4	56	18.7	3,138	62	19.8	40	12.7
Pratt										
Pratt............	6.543	109	16.7	98	15.0	6,832	102	14.9	94	13.8
Reno										
Hutchinson.......	39,873	647	16.2	400	10.0	41,903	646	15.4	428	10.2
Republic										
Belleville.......	2,867	24	8.4	47	16.4	2,481	30	12.1	50	20.2
Rice										
Lyons............	4,395	50	11.4	49	11.1	4,345	65	15.0	49	11.3
Riley										
Manhattan (Part).	30,139	627	20.8	203	6.7	34,904	632	18.1	184	5.3
Rooks										
Plainville.......	2,503	44	17.6	30	12.0	2,405	31	12.9	24	10.0
Russell										
Russell..........	5,567	80	14.4	71	12.8	5,412	84	15.5	56	10.3

Table 35 (cont.)
Population, Live Births and Total Deaths
By City and County of Residence
Kansas, 1978 and 1979

City of Residence and County	1978					1979				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Saline										
Salina..........	40,512	662	16.3	360	8.9	40,123	648	16.2	338	8.4
Scott										
Scott City......	4,762	75	15.7	31	6.5	4,366	68	15.6	34	7.8
Sedgwick										
Derby...........	8,667	121	14.0	41	4.7	9,080	131	14.4	40	4.4
Haysville.......	7,368	103	14.0	22	3.0	8,489	104	12.3	29	3.4
Mulvane (Part)..	2,788	40	14.3	15	5.4	2,619	56	21.4	13	5.0
Valley Center...	3,281	47	14.3	22	6.7	3,035	50	16.5	11	3.6
Wichita.........	261,862	4,899	18.7	2,365	9.0	266,208	5,572	20.9	2,439	9.2
Seward										
Liberal.........	15,546	302	19.4	90	5.8	15,240	322	21.1	123	8.1
Shawnee										
Topeka..........	144,221	1,892	13.1	1,217	8.4	123,048	1,996	16.2	1,141	9.3
Sherman										
Goodland........	5,733	98	17.1	52	9.1	5,750	94	16.3	50	8.7
Stevens										
Hugoton.........	3,114	60	19.3	25	8.0	3,337	68	20.4	31	9.3
Sumner										
Mulvane (Part)..	1,108	18	16.2	17	15.3	1,443	29	20.1	15	10.4
Wellington......	8,395	119	14.2	111	13.2	7,686	150	19.5	117	15.2
Thomas										
Colby...........	5,137	89	17.3	41	8.0	5,516	98	17.8	46	8.3
Wilson										
Fredonia........	3,424	39	11.4	47	13.7	3,090	48	15.5	44	14.2
Neodesha........	4,003	50	12.5	59	14.7	3,678	56	15.2	57	15.5
Wyandotte										
Bonner Springs..	6,423	100	15.6	47	7.3	6,901	97	14.1	44	6.4
Kansas City.....	170,708	2,905	17.0	1,635	9.6	160,944	3,083	19.2	1,621	10.1

Source: Bureau of Registration and Health Statistics (1979)
Kansas Board of Agriculture/County Appraisers (1978)

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